

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IMPACT ASSESSMENT DIVISION)
NON-COAL MINING SECTOR**

SUMMARY RECORD OF 53rd MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 53rd meeting of the Expert Appraisal Committee for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held on 28th – 29th June, 2022 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC, discussion on each of the Agenda Items was taken up ad-seriatim.

(1.0) Deliberation & Circulation on the Minutes of 52nd EAC meeting held during 14th to 15th June, 2022:

The minutes of 52nd EAC meeting held during 14th to 15th June, 2022 were placed before the members of the Committee. The Member Secretary informed the Committee regarding the following Corrigendum:

S. N o.	As per 52nd EAC meeting held during 14th to 15th June, 2022	Typographical error	EAC recommended in 53rd EAC meeting held during 28th – 29th June, 2022
1	Agenda 1.2, Para 14, 1 st line.	The proposal was considered in the 52 nd EAC meeting to be held during 14 th to 15 th June, 2022 the Committee after detailed deliberation and the presentation made by the Project Proponent the Committee recommended the proposal for Terms of Reference for Tadawas Limestone mine of M/s Hansdeep Industries and Trading Company Limited in the mine lease area of	The proposal was considered in the 52 nd EAC meeting held during 14 th to 15 th June, 2022. After the detailed deliberations and the presentation given by the Project Proponent and the consultant, the Committee recommended the proposal for Terms of Reference for Tadawas Limestone mine of M/s Hansdeep Industries and Trading Company Limited in the mine lease area of 423.97 ha with the production capacity of 2.0 MTPA of Limestone and 0.6 MTPA of Over Burden/waste and 1000 TPH of Crusher capacity located at

		423.97 ha with the production capacity of 2.0 MTPA of Limestone and 0.6 MTPA of Over Burden/waste and 1000 TPH of Crusher capacity located at Tadawas, Berawas, Bhawanda & Khorawa Village, Tehsil Khimsar, District Nagaur, Rajasthan subject to the following specific conditions in addition to the general conditions of non-coal mining projects:	Tadawas, Berawas, Bhawanda & Khorawa Village, Tehsil Khimsar, District Nagaur, Rajasthan subject to the following specific conditions in addition to the general conditions of non-coal mining projects:
2	Agenda 1.6, Para 21	The proposal was considered in the 52 nd EAC meeting held during 14 th -15 th June, 2022. The project proponent submitted an undertaking vide letter dated 14.06.2022 stating that the company has not carried out any mining operations in the mine lease area. During the meeting, the project proponent submitted the revised cost of greenbelt incorporating drip irrigation system, revised cost of public hearing action plan incorporating skill development & training programme and revised cost of avenue plantation from 3.72 lakhs to 6 lakhs and same sent by e-mail dated	The proposal was considered in the 52 nd EAC meeting held during 14 th -15 th June, 2022. The project proponent submitted an undertaking vide letter dated 14.06.2022 stating that the company has not carried out any mining operations in the mine lease area. During the meeting, the project proponent submitted the revised cost of greenbelt incorporating drip irrigation system, revised cost of public hearing action plan incorporating skill development & training programme and revised cost of avenue plantation from 3.72 lakhs to 6 lakhs and same sent by e-mail dated 14.06.2022. Therefore, after detailed deliberations, the Committee recommended the proposal for Environmental Clearance for Boricha Limestone Mine of M/s Saurashtra Chemicals Division of Nirma Ltd in the Mine

		<p>14.06.2022. Therefore, after detailed deliberations, the Committee recommended the proposal for Environmental Clearance for Boricha Limestone Mine of M/s Saurashtra Chemicals Division of Nirma Ltd in the Mine lease area of 101.17 ha with the production capacity of 7,00,000 TPA (ROM) located at village Boricha, Taluka and District Porbandar, Gujarat with subject to the following specific condition in addition to the general conditions of non-coal mining projects:</p>	<p>lease area of 64.9598 Ha out of 101.17 ha with the production capacity of 7,00,000 TPA (ROM) located at village Boricha, Taluka and District Porbandar, Gujarat with subject to the following specific condition in addition to the general conditions of non-coal mining projects:</p> <p>Addition of the following specific conditions along with the existing specific conditions as enumerated in the minutes of the 52nd EAC meeting held during 14-15th June, 2022:</p> <p>xi. Environmental Clearance shall be valid till 31.03.2030.</p> <p>xii. No mining is permitted in around 36.2102 Ha of the eastern part of the lease area that falls into the one km radius from the Barda Wildlife Sanctuary and 50 m offset from 1-Km line.</p>
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Day 1: 28th June, 2022 (Tuesday)

1.1 Proposal for Environmental Clearance for Mining of Bajri (Minor Mineral) with proposed production capacity 5.60 MTPA (ROM) in the mine lease area of 19,011.89 Ha, located at Villages Annapurna, Arjiyana, Indrana, Kundal, etc. of Tehsil Siwana, District Barmer, Rajasthan by M/s Ridhi Siddhi Associates [File No. J-11015/427/2013-IA.II (M); Proposal No. IA/RJ/MIN/20595/2013] – Re-Consideration of Environmental clearance

1. Project details:

Location	Villages	Annapurna, Arjiyana, Indrana, Kundal, Kumpawas, Kalyaan Singh Ki Dhani, Kuseep, Kankhi, Kathadi, Kotadi, Kheda Khindawada, Khetasar, Kharantiya, Khakharlai, Gungrot, Gudanaal, Godo Ka Bara, Goliya, Charno Ka Bada, Jinpur, Juna khera
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	Motisara, Jethantari, Teekampura, Thakarkhera, Tandabera, Telwada, Thanmata Hinglaaj, Thapan, Dantla, Devandi, Devliyali, Dharna, Dhira, Nayi Khakharlai, Naal, Nimbeshwar, Pariharon Ki Dhani, Paton Ka Bara, Padardi Kalan, Piploon, Baamsin, Baalu, Bijliya, Bhallaron Ka Bada, Bhakharpura, Bhagwa, Bhatikhera, Bhanawas, Bheemgoda, Bhilon Ki Dhani, Majal, Mawdi, Mahilawas, Mangla, Mangi, Mubari, Meli, Mokalsar, Ramaniya, Railon Ki Dhani, Lalana, Ludarada, Valiyana, Harmalpura, Hemawas, Samdadi, Sariyadevi Nagar, Samuja, Siner, Siwana, Suily, Sela, and Ramdev Nagar
Tehsil/Taluka	Siwana
District	Barmer
State / UT	Rajasthan
Latitudes	25°27'06.84" N to 25°51'39.72" N
Longitudes	72°15'14.89" E to 72°46'27.61" E
SolTopo sheet No.	45C/1, 45C/2, 45C/3, 45C/5, 45C/6, 45C/7, 45C/9, 45C/10, 45C/13, 45C/14 and 45C/15
Company's Name	M/s Riddhi Siddhi Associates
Accredited Consultant and certificate no.	Enkay Enviro Services Pvt. Ltd., Jaipur. Certificate No.: NABET/EIA/2023/RA 0183 Valid till 12.12.2023
KML file	Submitted
Seismic zone	Zone – II & III as per IS – 1893 (part-1) – 2002

2. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14 th September 2006 and subsequent amendment
Mining lease Area	19011.89 Ha

3. Details of Terms of Reference:

ToR Proposal No.	J-11015/427/2013-IA.II (M)
ToR Letter No.	J-11015/427/2013-IA.II (M)
ToR grant Date	09.12.2013
Production capacity	5.6 Million TPA (ROM)
Total Excavation	5.6 Million TPA
EIA/EMP uploaded on	25.06.2016
Previous EAC meeting for the appraisal of EC	49 th EAC Meeting of Non-Coal Mining held on dated 21.04.2022

4. ADS details:

Earlier, the proposal for Environmental Clearance was considered in the 49th EAC Meeting held on 21.04.2022. The ADS was raised on 29.04.2022. The Project Proponent submitted the reply on 07.06.2022.

S. No.	ADS dated 29.04.2022																																																	
1.	<p>The project proponent needs to submit the Environmental status report of the project site after carrying out study of Air, Water (Ground water & Surface water) and Noise for 15 days period (non-monsoon season). The project proponent should submit the photographs of monitoring stations & sampling locations. The photographs should mention the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this, the project proponent should submit the original test reports and certificates of the lab which will analyze the samples.</p>																																																	
Reply	<p>Additional Baseline data has been collected during non-monsoon season for 15 days in the month of May' 2022 to represent the whole study area and as suggested by Expert Appraisal Committee (EAC). Summary of baseline data results are given below:</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>Number of locations</th> <th>Description</th> <th>Standards</th> </tr> </thead> <tbody> <tr> <td rowspan="5">Ambient Air Quality Monitoring</td> <td rowspan="5">11 Locations</td> <td>PM10 – 42.8 µg/m³ to 58.3 µg/m³.</td> <td>100 µg/m³ (24 hours)</td> </tr> <tr> <td>PM2.5 - 24.9 to 33.4 µg/m³</td> <td>60 µg/m³ (24 hours)</td> </tr> <tr> <td>SO₂ - 6.1 to 7.4 µg/m³</td> <td>80 µg/m³ (24 hours)</td> </tr> <tr> <td>NO₂ -7.2 to 9.1 µg/m³</td> <td>80 µg/m³ (24 hours)</td> </tr> <tr> <td>CO – 458 to 802 µg/m³</td> <td>2000 µg/m³</td> </tr> <tr> <td rowspan="2">Noise Level Monitoring</td> <td rowspan="2">11 Locations</td> <td>Noise Level During Day Time – 49.2 to 52.8Leq dB (A)</td> <td> <table border="1"> <thead> <tr> <th colspan="3">All values in dB(A)</th> </tr> <tr> <th>Industrial</th> <th>75</th> <th>70</th> </tr> <tr> <th>Commercial</th> <th>65</th> <th>55</th> </tr> <tr> <th>Residential</th> <th>55</th> <th>45</th> </tr> </thead> <tbody> <tr> <td>Noise Level During Night Time – 42.2 to 43.3 Leq dB (A)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> </td> </tr> <tr> <td rowspan="4">Surface Water</td> <td rowspan="4">2 Locations</td> <td>pH –7.90 to 9.06</td> <td>-</td> </tr> <tr> <td>BOD - <6.1 mg/l</td> <td>-</td> </tr> <tr> <td>COD- <20 mg/l</td> <td>-</td> </tr> <tr> <td>DO- 4.1 to 4.4</td> <td>-</td> </tr> </tbody> </table>				Parameters	Number of locations	Description	Standards	Ambient Air Quality Monitoring	11 Locations	PM10 – 42.8 µg/m ³ to 58.3 µg/m ³ .	100 µg/m ³ (24 hours)	PM2.5 - 24.9 to 33.4 µg/m ³	60 µg/m ³ (24 hours)	SO ₂ - 6.1 to 7.4 µg/m ³	80 µg/m ³ (24 hours)	NO ₂ -7.2 to 9.1 µg/m ³	80 µg/m ³ (24 hours)	CO – 458 to 802 µg/m ³	2000 µg/m ³	Noise Level Monitoring	11 Locations	Noise Level During Day Time – 49.2 to 52.8Leq dB (A)	<table border="1"> <thead> <tr> <th colspan="3">All values in dB(A)</th> </tr> <tr> <th>Industrial</th> <th>75</th> <th>70</th> </tr> <tr> <th>Commercial</th> <th>65</th> <th>55</th> </tr> <tr> <th>Residential</th> <th>55</th> <th>45</th> </tr> </thead> <tbody> <tr> <td>Noise Level During Night Time – 42.2 to 43.3 Leq dB (A)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	All values in dB(A)			Industrial	75	70	Commercial	65	55	Residential	55	45	Noise Level During Night Time – 42.2 to 43.3 Leq dB (A)				Surface Water	2 Locations	pH –7.90 to 9.06	-	BOD - <6.1 mg/l	-	COD- <20 mg/l	-	DO- 4.1 to 4.4	-
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Reply	<p>Following action plan is proposed to undertake the replenishment studies of the potential stretches of the river bed: Steps:-</p> <ol style="list-style-type: none"> Preparation of KML file with the coordinates of the LOI / existing lease covering 100 meter additional boundary beyond to the lease boundary to capture nearby data; Fixing of ground control points with the help of DGPS at fixed points; Drone Survey for pre – monsoon and post monsoon season. 																																																								
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Reply	<p>To curb the illegal Mining in the remaining area. There are Six entry point (Roads) from where river may be approached. Therefore, Four numbers of night vision camera will be installed and data will be made available to state</p>																																																								

	<p>government. Apart from this we shall ensure to curb the illegal mining for remaining area with surveillance as detailed: <u>Budget for Surveillance Equipment:</u></p>																																							
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Ground Water	11 locations	pH – 7.11 to 7.81	pH – 6.84 to 7.84	6.5 to 8.5													
		Total Hardness – 544 to 848 mg/l	Total Hardness – 56 to 1932 mg/l	600 mg/l													
		Alkalinity – 400 to 520 mg/l	Alkalinity – 116 to 564 mg/l	600 mg/l													
		TDS – 1067 to 1586 mg/l	TDS – 248 to 9164 mg/l	2000 mg/l													
5.	<p>The project proponent needs to submit the detailed plan in tabular format (year wise) for afforestation and green belt development in and around the mining lease. The project proponent should submit the number of saplings to be planted, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget</p>																

earmarked for the afforestation & green belt development.											
Reply:	Total ML Area	19011.89 Ha									
	Total length for avenue plantation along the Road No 1(79799m), Road No2 (20340m), Road No 3(1827m), Road No 4(9520 m), Road No 5(2264 m), Road No 6(11406 m), Road No 7(6225 m), Road No 8 (9155 m), Road No 9(2758m), Road No 10(26457 m), Road No 11(409 m)and Road No 12(4696 m)	79799m + 20340m + 1827m + 9520m + 2264m + 11406m + 6225m + 9155m +2758m + 26457m+409m + 4696 = 174856 meters 174856 * 2 = 349712 meters									
	Total Number of Plant to be planted	349712 / 5m = 69,942									
	Existing and proposed plantation										
	<table border="1"> <thead> <tr> <th rowspan="2">Existing plantation</th> <th colspan="2">Proposed plantation</th> <th rowspan="2">Total nos of plants to be planted</th> </tr> <tr> <th>Till Sept.2022</th> <th>Till lease period</th> </tr> </thead> <tbody> <tr> <td>12000 (Survived Plants; 8,000 Nos. survival Rate 66%) + 30,000 (Existing plantation along the river) = 42000 Nos</td> <td>4,000 (SC, PB, Village Road PHC and CC of the villages)</td> <td>23,942 (Avenue plantation along the road)</td> <td>27,942</td> </tr> </tbody> </table>	Existing plantation	Proposed plantation		Total nos of plants to be planted	Till Sept.2022	Till lease period	12000 (Survived Plants; 8,000 Nos. survival Rate 66%) + 30,000 (Existing plantation along the river) = 42000 Nos	4,000 (SC, PB, Village Road PHC and CC of the villages)	23,942 (Avenue plantation along the road)	27,942
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	Till Sept.2022	Till lease period									
12000 (Survived Plants; 8,000 Nos. survival Rate 66%) + 30,000 (Existing plantation along the river) = 42000 Nos	4,000 (SC, PB, Village Road PHC and CC of the villages)	23,942 (Avenue plantation along the road)	27,942								
Plantation will be done in the community area like: Village Panchayat, Government Schools, Hospitals, Community Centre and vetiver grasses both side of river bank. CC = Community Centre PHC = Public Health Centre PB = Panchayat Bhawan AP = Approach Road SC = School											

5. Lease Details:

Granted Prospecting Licence	Area	19011.89 ha
Application for the Mining lease area and Date	The Letter of Intent (LOI) w.r.t. grant of mining lease for minor mineral Bajri over an area of 19011.89 ha issued by the Joint Secretary Administration, Govt. of Rajasthan vide letter no. P.8(23) Khan/ Gr. – 2/ 2013, Jaipur dated 26.04.2013. Mining Plan & Progressive Mine Closure Plan has been approved by Government of Rajasthan, SME, Jodhpur Region, Jodhpur (Rajasthan) vide their letter no. 17566-17571/SME/JDR dated 08.01.2014. The same shall be applied as per norms.	
Validity of mine lease	5 years	
Letter of Intent	Letter No.	P.8(23) Khan/ Gr. – 2/ 2013
	Date	26.04.2013

Lease extension	“The lease is valid as per RMMCR 2017 Rule 9(4) is reproduced as “period of lease may be extended equal to the period for which Mines remained closed (Dies-non) due to any court order. The LOI issued by the state Govt. is valid as per the Honorable Supreme Court order dated 10.05.2019 & 6.12.2019
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6. Mining plan details:

Mining Plan along with Progressive Mine Closure Plan duly approved by SME, Jodhpur Circle, Jodhpur	Letter No.	17566-17571/SME/JDR
	Date	08.01.2014
Mining Parameters		Quantitative Description
Bench Height	3.0 m	
Bench Width	Approximately 20.0 m	
Method of Mining	Opencast Semi-Mechanized Mining Method	
Drilling/Blasting	Only excavation and loading activities will be required as the mineral is loose and no drilling/blasting is needed	
Life of mine	Lease has been allotted for a period of 5 years only	
Transportation details	The total extraction of sand will be 20,000 TPD. The loading capacity of a truck is 20 ton hence 1000 trucks will be used per day or 84 truck per hr.	
Dumpers capacity	20 Tonnes	
Additional information	Mining will be carried out up to 3.0 m depth or 1.0 m above the ground water table. Lease area (147.4km long) - Seven working blocks. Excavation - from upstream to downstream side. Haul road - gradient more than 1 in 20. Light weight excavators will be used. Every block will have its own approach roads which will be well connected to nearby highways such as SH-38 or SH-66.	
Waste generation	Mine/OB Waste – Nil; Municipal solid waste – 29 kg/day; Domestic wastewater - 4.0 KLD. Municipal waste generated will be sent to municipal council for treatment. The waste water generated will be channelized into septic tank followed by soak pit.	

7. Observation and Recommendation of the Committee:

The proposal was considered in the 53rd EAC meeting held during 28th – 29th June, 2022. After the detailed presentation given by the project proponent and the consultant, the EAC opined that the District Survey Report (DSR) submitted by the project proponent is not in accordance with the Ministry's Notification S.O 3611 (E) dated 25th July, 2018. The Committee was of the view that the proponent shall submit the DSR duly approved by the State Environmental Impact Assessment Authority (SEIAA) as per Ministry's Notification S.O 3611 (E) dated 25th July, 2018. After the detailed deliberations, The Committee **deferred** the proposal due to want of following information:

- a) The water quality on selected location where high TDS has been reported needs to be revisited and revised data needs to be submitted alongwith mitigation measures.
- b) The project proponent needs to submit the authenticated District Survey Report approved by SEIAA in accordance with Ministry's notification S.O 3611 (E) dated 25th July, 2018.
- c) The project proponent submitted the Mining Plan along with Progressive Mine Closure Plan duly approved by SME, Jodhpur Circle, Jodhpur dated 08.01.2014, which is not valid. The PP needs to submit the latest approved Mining Plan.
- d) The project proponent needs to submit a legible copy of Letter of Intent (LOI) along with its chronology, if any. A copy of letter issued by Govt. of Rajasthan in the matter may also be provided.
- e) The project proponent needs to submit the DMG authenticated past production since inception of mine lease.
- f) The project proponent needs to submit the undertaking regarding the following:
 - I. Not more than 1.0 m depth is permitted for mining. If the water level in the river bed is just 1.0 m below the surface, no mining will be done.
 - II. Transportation of the bajri has to be totally outside the villages with a proper bypass.
 - III. Avenue plantation along the road must be in three rows with a proper arrangement for their protection either by common fencing or individual gabion depending upon the density of the site with provision for regular irrigation.

1.2 Proposal for Terms of Reference for Expansion in Limestone Production Capacity from 3.2 Million TPA to 6.822 Million TPA (Total Excavation: 27.298 Million TPA i.e. Limestone: 6.822 Million TPA, Top Soil: 0.118 Million TPA, Waste: 20.0 Million TPA, ROM Reject: 0.358 Million TPA) and installation of crushers 1200 TPH & 400 TPH along with Wobbler in Gothra Limestone Mine (ML No.: 47/2007 & ML Area: 624 ha.) at Villages: Gothra, Choudhani, Devgaon & Kheswa Ki Dhani, Tehsil: Nawalgarh, District: Jhunjhunu, Rajasthan by M/s Shree Cement Limited -

[File No. IA-J-11015/27/2022-II(NCM); Proposal No. IA/RJ/MIN/272197/2022] – Terms of Reference

1. Project details:

Location	Villages	Villages: Gothra, Choudhani, Devgaon & Kheswa Ki Dhani
	Tehsil/Taluka	Nawalgarh
	District	Jhunjhunu
	State / UT	Rajasthan
	Latitudes	27°47'15.01" N to 27°48'43.12" N
	Longitudes	75°20'4.83"E to 75°22'50.94" E
	Sol Topo sheet No.	Core Zone: G43D5 Buffer Zone: G43D1, G43D2, G43D5 & G43D6
Company's Name	Shree Cement Limited	
Accredited Consultant and certificate no.	J.M. EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI) Certificate No: NABET/EIA/2023/RA 0186, dated 17.12.2020 & valid up to 07.02.2023	
KML file	KML has been uploaded with ToR Application	
Seismic zone	Zone II as per IS: 1893 (Part-I): 2002	

2. Category details:

Category of the project	Category "A", Project or Activity 1 (a) (3) for Mining of Mineral and Project Activity 2 (b) (3) for Mineral Beneficiation (Crusher with Wobbler).
Provisions	EIA Notification dated 14 th September, 2006, as amended thereof.
Mining lease Area (MLA)	624.0 Ha

3. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/272197/2022
Online application date for Form-I	11.05.2022
Documents Submitted	Form I, PFR, Brief Summary, Proposed ToR, KML File, Approved Mining Plan etc.
Production capacity	6.822 million TPA
Soil	0.118 million TPA
Waste	20.0 million TPA
Others	ROM Reject: 0.358 Million TPA (Clay/Sub-soil)
Total Excavation	27.298 million TPA (Limestone: 6.822 Million TPA, Top Soil: 0.118 Million TPA, Waste: 20.0 Million TPA, ROM Reject: 0.358 Million TPA)
ROM	7.18 Million TPA (Limestone: 6.822 Million TPA and ROM Reject: 0.358 Million TPA)

Crusher	Installation of Crushers: Primary 1200 TPH & Secondary 400 TPH along with Wobbler
Previous EC details	Integrated EC for Limestone Mining (3.2 Million TPA, ML Area: 624 ha and Integrated Cement Plant (Cement- 3.0 Million TPA, Clinker- 2.0 Million TPA) obtained by SCL vide letter no. Letter No. J-11011/1173/2007-IA.II (I) dated 15.07.2009.
Additional details	The integrated EC obtained in 2009 is valid for mines as on date as the EC is valid for 30 years for the mining project.

4. Lease Details:

Application for the Mining lease area and Date	26.03.2007	
Validity of mine lease	Validity 50 years (from 08.05.2019 to 07.05.2069)	
Letter of Intent	Letter No.	P.2(113) Khan/Group-2/2007
	Date	23.08.2007.
Additional information	<p>Mine lease (ML Area: 6.24 Sq. km (624 ha.), ML No.: 47/07) has been granted by Mining Dept., GoR vide letter no. P. 2 (113) Khan/Group- 2/2007 dated 12.04.2019 & which is valid from 08.05.2019 to 07.05.2069.</p> <p>Lease deed has been executed on 18.04.2019 and Lease Registration has been done on 08.05.2019.</p>	

5. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	584(4)(3)(1895)/2021-22-RCM-AJM
	Date	03.03.2022
	Validity	31.03.2024
	Approved by	IBM, Ajmer
Additional information	Mining Plan approval letter by IBM, Ajmer has submitted by the project proponent. Copy of the approved mining plan is yet to be submitted.	

6. Observation and Recommendation of the Committee:

The proposal was considered in the 53rd EAC meeting held during 28th – 29th June, 2022. The project proponent submitted the proposal for Terms of Reference for Expansion in Limestone Production Capacity from 3.2 Million TPA to 6.822 Million TPA (Total Excavation: 27.298 Million TPA). After, the detailed deliberations, the Committee noted that the project proponent has started production in the year 2021-22 and has achieved a production of 478.18 tonnes only out of the 3.2 MTPA production limit

granted in the earlier Environmental Clearance letter dated 15.07.2009. Also, the Committee observed that that there will be an instant shock load on the environment by jumping twice the production capacity granted in previous Environmental Clearance. The EAC felt that the Environmental Management Plan (EMP) which is in place cannot be fully tested at this juncture since the production capacity reached by the project proponent is way beyond the prescribed limit.

The EAC was of the opinion that this project must first achieve at least 50% capacity of the EC granted for generating pragmatic baseline data for appraisal by the Committee. Furthermore, the project proponent is advised to submit the compliance in terms of plantation, efficacy of EMP on the maximum production that it achieves before seeking expansion. Therefore, the Committee **deferred** the proposal.

1.3 Proposal for Amendment in Environmental Clearance dated 9th April, 2021 w.r.t. the annual peak production of RoM of 33430 cu.m instead of 1003 cu.m of black granite as the pollution load only on the RoM in mine lease area of 166.920 Ha located at Village Mahimandalam, Tehsil Katpadi, District Vellore, Tamil Nadu of M/s. Tamil Nadu Minerals Limited (Government of Tamil Nadu undertaking) - [File No. 23-203/2018-IA.III(V); Proposal No. IA/TN/MIN/275919/2022] - Amendment in Environmental clearance

1. Project details:

Location	Village	Mahimandalam
	Tehsil/Taluka	Katpadi
	District	Vellore
	State / UT	Tamil Nadu
	Latitudes	13°04'56.04" to 13°05'32.85"
	Longitudes	79°12'04.53" to 79°13'58.55"
	Sol Topo sheet No.	57O/4&8
Company's Name	M/s Tamil Nadu Minerals Limited	
KML file	Enclosed	
Seismic zone	III	

2. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14 th September 2006 and subsequent amendment
Mining lease Area	166.92 Ha

3. The details of the previous Environmental Clearance (EC) are furnished as below:

Date of	Proposal	Consideration	Details	Date of
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application	No/ File No			accord
11.09.2020	23-203/2018-IA.III(V)	31 st December 2020	Environmental Clearance for mining of 1003 m ³ /annum of black granite in ML Area 166.920 Ha, located at Survey no. 917(Part) & 921(Part), Village Mahimandalam, Katpadi Taluk, District Vellore, Tamil Nadu by M/s Tamil Nadu Minerals Limited	09.04.2021
Reason for applying for amendment in EC		<p>At present TAMIN is requesting to make amendment in the existing EC, as annual peak production of RoM is 33,430 cu.m instead of production quantity of 1003 cu.m Black Granite.</p> <p>The environmental impact is directly linked to RoM and not so much to saleable production quantity.</p> <p>Since the EC limits saleable production quantity, it is observed that our quarry managers tend to extricate a very miniscule quantity of absolutely defect free material. In many quarries it is as low as 2% of RoM. This is neither in the interest of revenue generation for TAMIN / State but is also in no way helping protect the environment.</p>		

4. Court case details:

Court Case	CC.No.38/2021 Judicial Majistrate, katpadi Taluk, Vellore District, Tamil Nadu State under the provision of section 19 of the Environmental (Protection) Act,1986 as per specific ToR condition No.1. Judgment is awaited.
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5. Observation and Recommendation of the Committee:

The proposal was considered in the 53rd EAC meeting held during 28th – 29th June, 2022. After, the detailed presentation given by the project proponent, the Committee noted that the project proponent submitted the proposal for amendment in Environmental Clearance dated 9th April, 2021 w.r.t. the annual peak production of RoM of 33430 cu.m instead of 1003 cu.m of black granite. After detailed deliberations, the Committee noted that the Terms of Reference (Violation) was granted on 15.01.2019 for 1003 cu.m of black granite in mine lease area of 166.920 Ha located at Village Mahimandalam, Tehsil Katpadi, District Vellore, Tamil Nadu to M/s. Tamil Nadu

Minerals Limited (Government of Tamil Nadu undertaking). Also, the EIA/EMP report was submitted for 1003 cu.m/annum of black granite and even the Public Hearing was conducted for 1003 cu.m of black granite. Accordingly, the Environmental Clearance dated 09.04.2021 was granted by MoEF&CC which is valid till 21.11.2022.

Since, the project proponent requested for an amendment seeking more than the thirty-three times of the permitted production limit enumerated in the earlier EC, the committee was of the opinion that the request of PP is multitudinous and may not be considered with the available data submitted by the PP in its TOR, EIA/EMP report and Public Hearing.

Therefore, the Committee did not accept the request of the project proponent for amendment in environmental clearance and **returned the proposal in present form.**

1.4 Terms of Reference (Violation) for Surjagarh Iron Ore Mine of M/s. Lloyds Metals & Energy Limited over an extent of 348.09 Ha with production capacity of Iron ore (RoM) of 10.0 MTPA along with crushing and screening plant located near Village Surjagarh, Tehsil Etapalli, District Gadchiroli, Maharashtra - [File No. J-11015/348/2005.IA.II (M); Proposal No. IA/MH/MIN/277982/2022] – Terms of Reference

1. Project details:

Location	Village	Surjagarh
	Tehsil/Taluka	Etapalli
	District	Gadchiroli
	State / UT	Maharashtra
	Latitudes	19°36'58.96"N - 19°38'21.48"N
	Longitudes	80°20'57.12"E- 80°22'32.84"E
	Sol Topo sheet No.	65 A/6 (New Topo sheet No E 44C6)
Company's Name	M/s. Lloyds Metals & Energy Limited	
Accredited Consultant and certificate no.	Creative Engineers and Consultants, Certificate No: NABET/EIA/2023/RA 0187 valid till 23.03.2023	
KML file	Submitted	
Seismic zone	Zone-II	

2. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14 th September 2006 and subsequent amendment
Mining lease Area (MLA)	348.09 Ha (Entire mining lease area falls in Bhamragarh Reserve Forest.)

3. ToR/EC Details:

ToR Proposal No.	IA/MH/MIN/277982/2022					
Online application date for Form-I	14.06.2022					
Documents Submitted	Cover letter, Form-1, PFR along with its annexures, Brief Summary, KML, approved mining plan					
EAC meeting date	28.06.2022					
Production capacity	10.0 MTPA (ROM)					
Soil	No such top soil to be generated					
Waste	Waste Management	Plan Period (cum)	Conceptual Period (cum)	Total (cum)		
	Road Maintenance	746430	1448800	21,95,230		
	Dumping	1741670	2173200	39,14,870		
	Total	2488100	3622000	61,10,100		
Others	<ul style="list-style-type: none"> • Total generation of mineral reject at the end of life is 1326100cum. • During plan period 608100 cum will be generated. • Balance mineral rejects available for conceptual period is 718000 cum. • About 40% of the generated mineral reject (530440 cu.m) will be directly blended and utilized and the rest 60% (795660 cum) will be externally stacked temporarily and marketed based on demand. • However, temporary sub grade stack yard has been proposed during plan as well as beyond plan period 					
Total Excavation	Year	Total Handling (t)	Waste Quantity (t)	ROM Quantity (t)	ROM Quantity Mineral Reject (t)	Ore to OB Ratio (ROM Quantity / Waste Quantity) (T : T)
	2022-23	10430360	431200	9999160	955360	1 : 0.04
	2023-24	10555760	556000	9999760	522760	1 : 0.05
	2024-25	11768960	1769200	9999760	224560	1 : 0.18
	2025-26	11498200	1498600	9999600	-	1 : 0.15
	2026-27	11568540	1568580	9999960	-	1 : 0.16

	Total	55821820	5823580	49998240	1702680	1 : 0.12
ROM in million tonnes per annum only	10.0 MTPA					
Crusher	250 TPH – 2 No. Semi mobile Jaw Crusher 200 TPH – 4 No. Mobile Jaw Crusher 200 TPH – 4 Nos. Mobile/Semi Mobile Screens 400 TPH – 5 Nos. Mobile/Semi Mobile Screens 200 TPH – 6 Nos. Mobile Cone Crusher					
Previous details	EC	<ul style="list-style-type: none"> • Environmental Clearance for 3.0 MTPA production was granted vide J-11015/348 /2005.IA.II(M) dated 29.05.2006 in favour of M/s Gadchiroli Metals & Minerals. • Environmental Clearance was transferred from M/s Gadchiroli Metals & Minerals to M/s Lloyds Metals & Energy Limited on 07.02.2007. 				

4. Lease Details:

Granted Prospecting License	Area	348.09 Ha
	Execution date	03.05.2007
Prospecting operation, Commence date	1963- 1969 & 1970-71 Conducted by Directorate of Geology & Mining, Govt. of Maharashtra	
Application for the Mining lease area and Date	05.07.1993	
Validity of mine lease	02.05.2057	
Letter of Intent	Letter No.	--
	Date	11.09.2003
Chronology of mine lease	Mining lease was granted to M/s Lloyds Metals & Energy Limited for 20 years over an area of 348.09 Ha. Vide Lr. No – MMN-1104/C.R.683/Ind-9 dated 13.04.2007 and executed on 03.05.2007. As per MMDR Amendment Act, 2015, Supplementary lease deed for extension of lease period was executed on 03.12.2021 valid up to 02.05.2057	

5. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	GAD/FE/MPLN-86292)/NGP-2022
	Date	28.03.2022
	Validity	03.05.2027
	In favor of	M/s Lloyds Metals & Energy Limited
Additional information	Mining Plan approval letter by IBM, Nagpur has submitted by the project proponent. Copy of the	

	approved mining plan is yet to be submitted.
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6. Nearest village / town/ highway/railway station / water bodies

Particulars	Particular's Name	Distance & Directions
Village	Hedri	2.7 Kms – SE
	Bande	2.1 Kms , South
	Surjagarh	3.1 Kms – East
	Mallampardi	2.2 Kms – East
	Manger	3.6 Kms –SE
	Moharli	2.9 Kms – NW
	Zareguda	3.7 kms – SW
	Petha	4.0 Kms - W
Town	Etapalli	26 Km - S
Highway	National Highway (NH)-7	260Km
Railway Station	Ballarshah Chennai - New Delhi route	157 Km
Water Body	Bande river	1.75 Km – W
	Jambla river	7.77 kms – SE
	Akeran	6.04 Kms – W
	Dumme	6.07 Kms SW
	Kappe	2.95 Kms - N

7. Water requirement

Total water requirement	1200 KLD	Fresh water	1200 KLD
		Treated water	Nil
Source	Borewells and surface water		
Permission	For Existing obtained from CGWA and for additional quantity Under process at Authority.		

8. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	Yes	Forest clearance already obtained for 374.90 Ha (comprising 348.09 ha of ML area and balance road and transmission line area), vide letter F.No- 8-31/2005 /FC dated 23.03.2007
National park	No	
Wildlife Sanctuary	No	

Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area(ESA)	No	
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9. Status of CTO: Consent to operate was obtained from SPCB vide letter dated 02.11.2021. (validity up to 31.03.2023).

10. Green belt/plantation details:

Proposed area for green belt/plantation	6.17 ha
Budget for green plant& plantation till the end of life of mine.	Will be specified in EIA/EMP Report
Budget for nursery	Will be specified in EIA/EMP Report
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	6.17 ha
50 m safety zone of nallah, roads, electric lines	--
500 m safety zones of nearest habitation villages	--

11. Court case details:

Court Case	The project proponent submitted that there is no litigation pending against the project.
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12. Rehabilitation & Resettlement:

R & R details	The entire ML area of 348.09 Ha falls in the Bhamragarh Reserves forest for which forest clearance is already obtained. There are no habitations within the lease area.
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13. Affidavit/Undertaking details:

Undertaking dated 18.06.2022	The project proponent has submitted an undertaking dated 18.06.2022 in accordance with the statutory requirement & judgment of Hon'ble Supreme Court dated 2 nd August 2017 in w.r.t. Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ores has been submitted to MoEF&CC at the time of application submission.
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14. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	Will be specified in EIA/EMP Report
Project Cost	Rs 364.28
Employment	About 5000 persons (direct & indirect) after expansion.

15. Point-Wise Compliance to SoP dated 7th July, 2021:

S. No	SOP dated 07.07.2021			Compliance
1	S. No	Status of EC	Actions	Order to revert the activity/production to permissible limits
1	If no prior EC has been taken	Order to close its operation		
2	If prior EC is available for existing/old unit	Order to revert the activity/production to permissible limits		
3	If prior EC was not required for earlier production level but is now required	Restrict the activity/production to the extent to which prior EC was not required		
2	Action under Environment (Protection), Act 1986			The Ministry to initiate action under section 19 of the Environment (Protection) Act, 1986 against the project proponent.
3	Appraisal under EIA Notification, 2006			As per SoP.
4	Penalty Provisions for Violation Cases and applications a. For new projects i. Where operation has not commenced: 1% of the total project cost incurred up to the date of filing of application along with EIA/EMP report; [Ex: Rs. 1 lakh for project cost of Rs 1 Cr] ii. Where operations have commenced without EC: 1% of the total project cost incurred up to the date of filing of application along with EIA/EMP report PLUS 0.25% of the total annual turnover during the period of violation. [Ex: For Rs. 100 Cr project cost and Rs.100			The penalty shall be decided during the time of appraisal for EC.

	<p>Cr total turnover, the penalty shall be Rs. 1 Cr + Rs 0.25 Cr = Rs 1.25 Cr].</p> <p>b. For expansion projects:</p> <p>i. Where operation/ production with expanded capacity has not commenced: 1% of the total project cost attributable to the expansion, incurred up to the date of filing of application along with EIA/EMP report.</p> <p>ii. Where operation/ production with expanded capacity have commenced: 1% of the total project cost (attributable to the expansion activity), incurred up to the date of filing of application along with EIA/EMP report PLUS 0.25% of the total annual turnover (attributable to the expanded activity/capacity) involved during the period of violation.</p>	
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16. Observation and Recommendation of the Committee:

The proposal was considered in the 53rd EAC meeting held during 28th – 29th June, 2022. After the detailed deliberations, the Committee **recommended** the proposal for Terms of Reference (Violation under Ministry's O.M dated 7th July, 2021) for Surjagarh Iron Ore Mine of M/s. Lloyds Metals & Energy Limited over an extent of 348.09 Ha with production capacity of Iron ore (RoM) of 10.0 MTPA along with crusher and screening plant (250 TPH – 2 No. Semi mobile Jaw Crusher, 200 TPH – 4 No. Mobile Jaw Crusher, 200 TPH – 4 Nos. Mobile/Semi Mobile Screens, 400 TPH – 5 Nos. Mobile/Semi Mobile Screens, 200 TPH – 6 Nos. Mobile Cone Crusher) located near Village Surjagarh, Tehsil Etapalli, District Gadchiroli, Maharashtra with subject to following specific conditions in addition to the general conditions of the non-coal mining projects:

- i. The Ministry has to initiate action under section 19 of the Environment (Protection) Act, 1986 against the project proponent. Further no consent to

operate to be issued till the project is granted EC. The action initiated by the State Govt./State PCB, status of the same may be submitted to the Ministry.

- ii. The Project Proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- iv. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- vi. Details of benefit accrued during the violation period along with capital cost of the project is to be submitted.
- vii. The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA.I(M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.
- viii. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years in terms of health care facilities for COVID, betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity, smart classrooms and desktops/tablets, infrastructure, and environment protection. Accordingly, PP shall propose to install Continuous Ambient Air Quality Monitoring Station within certain timeline.

- ix. The Project Proponent needs to submit the engineering design for garland drains, check dams, check filters and embankment and its efficacy to mitigate the potential impact of water body. PP also needs to submit the measures to be taken for protection of water bodies in the vicinity of the mine lease area due to mining activity.
- x. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- xi. The Project Proponent needs to monitor the ambient air quality at nearest receptors, predominant downwind direction and at other sensitive receptors. Accordingly, PP shall propose to install Continuous Ambient Air Quality Monitoring Station within certain timeline.
- xii. The EAC was of the view that if the Project Proponent has not completed the plantation schedule as per the earlier EC, the same shall be completed before appraisal of EC.
- xiii. The Project Proponent needs to submit the latest Certified Compliance Report (CCR) by the Ministry's Integrated Regional Office at the time of appraisal of EC as per Ministry's OM F.No. IA3-22/10/2022-IA.III [E 177258] dated 08.06.2022.
- xiv. The Project Proponent needs to submit the DMG certified past production details at the time of appraisal of EC.
- xv. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC

1.5 Terms of Reference (ToR) under the provision of Ministry's Notification S.O. 1530 (E) dated 06.04.2018 for Walayar Limestone Mine with production capacity of 0.90 MTPA and waste / topsoil 360000 CuM per annum (Maximum) with existing crusher 400 TPH in the mine lease area of 65.18 ha located at villages Mavuthampathy, Tehsil Coimbatore South, District Coimbatore, Tamil Nadu by ACC Limited Madukkarai Cement Works - [File No. IA-J-11015/73/2021-IA-II (NCM); Proposal No. IA/TN/MIN/81256/2018; Consultant: Perfact Group] – ToR

1. Project details:

Location	Village	Mavuthampathy
	Taluka	Coimbatore South
	District	Coimbatore
	State / UT	Tamil Nadu
	Latitudes	10° 52'26.40"N to 10° 52'59.2"N

	Longitudes	76° 50' 8.1'E to 76° 51' 29.7"E
	SoI Topo sheet No.	58B/13
Company's Name	M/s. ACC Limited Madukkarai Cement Works.	
Accredited Consultant and certificate no.	Perfect Enviro Solutions Pvt Ltd. (NABET/EIA/1922/RA 0184)	
KML file	Submitted	
Seismic zone	III	

2. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14 th September 2006 and subsequent amendment
Mining lease Area	65.18 Ha
General condition	Tamil Nadu-Kerala State Boundary—3.29 km SW

3. Details of previous Environmental Clearance:

Environmental Clearance accorded for Mining lease at Mavuthampathy Village (65.18 Ha) for an annual production capacity of 0.90 MTPA, vide letter No.: J-11015/106/2005-IA.II(M) dated 21.06.2005 under EIA notification 1994.	
Production capacity	0.90 MTPA of Limestone
Soil	Nil
Waste	360000 CuM per annum
Total Excavation	The total excavation to be handled including waste, reject and production is 1535400 TPA (Comprising ore 900000 TPA, and waste 635400 TPA).
Crusher	Existing crusher – 400 TPH located in the south of the lease area
Earlier EAC meetings for appraisal of EC	40 th EAC Meeting held during 26 th -27 th October, 2021

4. ADS details:

S. No.	ADS dated 06.11.2021	ADS reply by project proponent dated 06.05.2022
1	The certified compliance report, which is necessary for the appraisal of the proposal for ToR under the provision of Ministry's Notification S.O. 1530 (E)	The company has obtained the certified compliance report from IRO, Chennai vide letter dated 22.02.2022. The copy has been submitted on PARIVESH portal by the project proponent.

5. Lease Details:

Granted Prospecting Licence	Area	NA, Existing operating captive limestone mine since 1964 and valid upto 31.03.2030 as per MMDR Amendment Act 2015
	Execution date	
	PL No.	

Validity of mine lease	Mining lease granted by T.N. Govt. on 28.09.1963 for a period of 20 Years. Subsequently renewed on 17.04.1998 for a period of 20 years ending on 12.02.2004. Second renewal of lease was done by GO No. 220 dated 12.05.2006 for a period of 20 years and valid up to 12.02.2024. Being a captive mine Lease is valid upto 31.03.2030 as per Mines and Minerals (Development and Regulation) Amendment Act, 2015.
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6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	TN/CBT/LST/ROMP-1522.MDS
	Date	12.11.2018
	Validity	2019-2020 to 2023-2024
Additional information	Copy of Approved Mining Plan is yet to be submitted	

7. Observation and Recommendation of the Committee:

The proposal was considered in the 53rd EAC meeting held during 28th – 29th June, 2022. After the detailed presentation given by the project proponent and the consultant, the Committee noted that earlier the proposal was considered in the 40th EAC Meeting held during 26th -27th October, 2021 wherein the Committee desired for the latest certified compliance report. The project proponent submitted the compliance report dated 22.02.2022 duly certified by IRO, Chennai. The Committee noted that the observations of IRO were as follows:

“During the site inspection, frequent movement of wild animals like Elephant, Porcupines are confirmed by the dung/fecal matter of Elephant and sharp spines of the Porcupines in the site area. As per the specific conditions of EC, wildlife action plan for the Walayar mining area was not mandated. However, the Ministry may consider insisting on wildlife action plan for the Walayar mining site during the process of revalidation of EC. Further, it was also observed that a part of railway line (Podanur to Walayar station) is within the mining area of Walayar, which is an Elephant Corridor. Also, the Greenbelt development/ Compensatory afforestation is not satisfactory around the mine lease area, OB dumps etc.” The committee also noted that IRO vide letter dated 22.02.2022, informed non-compliance to IA monitoring Cell in the Ministry. The Committee was of the view that IA NCM sector may take status report in the matter from IA Monitoring Cell in the Ministry.

In view of the above, the Committee **deferred** the proposal and asked the project proponent to fulfill and comply with the observations of the IRO, Chennai and submit the satisfactory compliance report/closure report for further consideration of the proposal.

1.6 Maliparbat Bauxite Mine of M/s Hindalco Industries Ltd for mining of Bauxite with total excavation of 11,62,400 Tonnes (Bauxite:1,100,000 Tonnes

(ROM) + Topsoil:18,540 Tonnes + OB/SB/IB:43,860 Tonnes) in the mine lease area of 268.110 ha, located at Aligaon, Kankaramba, Sorishpadar Village, Pottangi Tehsil, Koraput District, Odisha – [File No: J-11015/79/2020-IA.II(M), Proposal No: IA/OR/MIN/250275/2020; Consultant: Vimta Labs Ltd] – Environmental Clearance EC (Violation)

The instant proposal was considered in the 49th EAC (Non-Coal Mining) meeting held during 19th - 21st April, 2022. After detailed deliberations, the Committee recommended the proposal under SOP dated 7th July, 2021 for grant of Environmental Clearance for M/s Hindalco Industries Ltd is for mining of Bauxite in Maliparbat Bauxite mine with total excavation of 11,62,400 Tonnes (Bauxite:1,100,000 Tonnes (ROM) + Topsoil:18,540 Tonnes + OB/SB/IB:43,860 Tonnes) in the mine lease area of 268.110 ha, located at Aligaon, Kankaramba, Sorishpadar Village, Pottangi Tehsil, Koraput District, Odisha subject to the specific conditions therein in addition to the standard EC conditions applicable for non-coal mining projects.

2. Thereafter, while processing the proposal for grant of Environmental Clearance, it was found that the PP has not submitted the amount required for penalty as per SOP dated 07.07.2021 and hence, the Ministry sought Additional Details on 30.05.2022 to provide the step-wise compliance of the SOP dated 7th July,2021 for violation, along with the penalty amount. The Project Proponent vide letter dated 20.06.2022 submitted the information on 21.06.2022 in Parivesh Portal and accordingly the proposal was reconsidered in the 53rd EAC (Non-Coal Mining) meeting held during 28th – 29th June, 2022 for deliberation of penalty provisions as per SOP dated 07.07.2021.

3. Reply of the Project Proponent for the Additional Details sought by the Ministry on 30.05.2022 as follows: -

Step 1: Closure or Revision:

S. No	Status of EC	Actions	Compliance/Remarks
1	If no prior EC has been taken	Order to close its operation	<ul style="list-style-type: none">i. EC (for production of 0.6 MTPA bauxite) issued on 07.09.2006 under EIA Notification, 1994.ii. Validity of the EC was for 5 years i.e., upto 06.09.2011.iii. Total production during the validity period was only 66,684 MT.iv. EC expired on 06.09.2011v. Mining operation continued till 2014 without EC and total production during violation period (2011-2014)

			was 900 MT. vi. No operations were carried out from 2014 till date
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Step 2: Action under Environment (Protection) Act, 1986:

Compliance: PP submitted that the State Government & SPCB of Odisha have been informed to take action under the provision of Environment (Protection) Act, 1986 against the project proponent vide MoEF&CC letter No. J-110105/79/2020-IA.II(M) dated 08.02.2021. The State Government is in the process of initiating the necessary action under Section 15 read with Section 19 of Environment (Protection) Act, 1986.

Step: 3: Appraisal under EIA Notification, 2006:

B. If permissible:

- i. Project Proponent submitted that as per the existing regulations, the project is permissible and eligible for grant of prior EC under EIA Notification, 2006.
- ii. The EIA/EMP study for the project was carried out as per ToR and Public Hearing carried out on 22.11.2021 as per the provisions of EIA Notification 2006.
- iii. The project was initially appraised in the 46th EAC meeting held during 15th - 17th Feb 2022. The observations/queries raised by the EAC were complied with and response submitted on 13.03.2022 on PARIVESH portal.
- iv. Accordingly, the proposal was reconsidered in the 49th EAC meeting held during 19th - 21st Apr 2022 and Ecological Damage Assessment, Remedial Plan and Community Augmentation Plan was assessed.
- v. Total Budget Provision w.r.t Remediation Plan and Natural & Community Resource Augmentation Plan is Rs. 2,79,99,000/
 - a. Ecological restoration plan: Rs. 20,00,00/-.
 - b. Natural Resource Augmentation Plan (NRAP): Rs. 30,00,000/-.
 - c. Community Resource Augmentation Plan (CRAP): Rs. 2,29,90,000/
- vi. EAC recommended the proposal in meeting held on 19th - 21st Apr 2022 with the specific condition to submit Bank Guarantee (BG) of Rs. 2,79,99,000/- with Odisha State Pollution Control Board (OSPCB).
- vii. As per the recommendations of the EAC, PP submitted a Bank Guarantee of Rs. 2,79,99,000/- dated 11.05.2022 with Odisha State Pollution Control Board (OSPCB), Bhubaneswar towards budgetary provision with respect to Remediation Plan and Natural & Community Resource Augmentation Plan for Maliparbat Bauxite mine.

Para 12 - Penalty provisions for Violation cases and applications

a. For new projects

ii. Where operations have commenced without EC:

- The instant proposal was considered as a new project. Total project cost is Rs. 23.72 Cr. (Say Rs. 24 Cr.). Therefore, @ 1% of project cost, Rs. 24.0 Lakh will be applicable us and PP agreed to pay the same.
- It may be noted that during the violation period, there was no turnover as such. The 900 MT of bauxite which was mined during this period has not been evacuated to Aluminium Plant. It continues to lay at the mine site till date. However, Dy. Director of Mines, Koraput circle raised Demand Notice No. 34/Mines dated 3rd Jan 2022 for Rs. 15,32,216/- under MMDR Act, 1957 for production to 900 MT of bauxite without a valid EC.
- Accordingly, in compliance of the Demand Note, PP paid Rs. 15,32,216/- through SBI net banking on 10.01.2022
- PP committed to pay 0.25% of the above-mentioned total turnover of Rs. 15,32,216/- as per the SOP which works out to be Rs. 3831/-

4. The EAC after deliberations made by the Project Proponent noted that the instant proposal was recommended in the 49th EAC (Non-Coal Mining) meeting held during 19th - 21st April, 2022. The EAC also noted that the Ministry while processing the proposal for grant of Environmental Clearance, the Ministry observed that the PP has not submitted the penalty provisions as per SOP dated 07.07.2021 and hence, the Ministry sought Additional Details on 30.05.2022 to provide the step-wise compliance of the SOP dated 7th July, 2021 for violation, along with the penalty amount and accordingly the Project Proponent submitted the information on 21.06.2022 in PARIVESH and the proposal was placed before the EAC (Non-Coal Mining) for deliberation of penalty provisions as per SOP dated 07.07.2021.

The EAC noted that the PP informed that as per Ministry's SOP dated 07.07.2021, the instant proposal was considered as a new project, where operations have commenced without EC. Hence, 1% of the total project cost [Rs. 23.72 Cr. (Say Rs. 24 Cr.)] incurred up to the date of filing of application along with EIA/EMP report calculated as Rs. 24.0 Lakhs PLUS 0.25% of the total turnover [Rs. 15,32,216 for producing 900 MT of bauxite without EC] during the period of violation calculated as Rs 3,831 and thus, the total amounts to Rs 24.03 Lakhs as per penalty provisions of SOP dated 07.07.2021.

The EAC **agreed** with the submission of Project Proponent with an estimation of Rs 24.03 Lakhs as per penalty provisions of SOP dated 07.07.2021 and asked the Project Proponent to deposit the Rs 24.03 Lakhs. EAC desired that Ministry may

communicate to Project Proponent regarding modalities of payment of penalty as and when it is finalized by the Ministry and the Project Proponent during the EAC meeting also agreed to pay the penalty of Rs. 24.03 lakhs as per Ministry's SOP dated 07.07.2021.

Day 2: 29th June, 2022 (Wednesday)

2.1 Environmental Clearance of M/s RCCPL Private Limited for mining of Limestone in Bigodi Limestone mine with production capacity of 0.85 MTPA Limestone (ROM), 1.74 MTPA Waste/Reject, 0.44 MTPA of Top Soil/Alluvium (Total Excavation 3.03 MTPA) along with 300 TPH crusher within the mine lease area of 184.149 ha, located at Dithora, SannehiSingti and Karaundi Villages, Amarpatan Tehsil, Satna District, Madhya Pradesh – [[File No: IA-J-11015/34/2019-IA-II(M), Proposal No: IA/MP/MIN/100548/ 2019, Consultant: Vimta Labs Ltd] - Reconsideration of Environmental Clearance

The proposal of M/s RCCPL Private Limited is for mining of Limestone in Bigodi Limestone mine with production capacity of 0.85 MTPA Limestone (ROM), 1.74 MTPA Waste/Reject, 0.44 MTPA of Top Soil/Alluvium (Total Excavation 3.03 MTPA) along with 300 TPH crusher within the mine lease area of 184.149 ha located at Dithora, SannehiSingti and Karaundi Villages, Amarpatan Tehsil, Satna District, Madhya Pradesh. The mine lease area is located between Latitude 24°23'59.95"N to 24°24'46.54"N and Longitude - 81°10' 34.34"E to 81°12'06.20"E. The mine lease area falls under the Survey of India Toposheet No: G44V3 (63H/3), G44V2 (63H/2) and G44V7 (63H/7) and falls in Seismic Zone-II.

2. M/s RCCPL Private Limited has made an online application vide proposal no: IA/MP/MIN/100548/2019 dated 01.04.2022 and submitted Form 2 and EIA report under the provisions of the EIA Notification, 2006 and the proposed project activity is listed at schedule no. 1(a) Mining of Minerals.

3. The proposal was earlier considered in the 49th EAC (Non-Coal Mining) meeting held during 19th-21st April, 2022. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the Consultant could not able to bring out actual facts and also the performance of the Consultant is not satisfactory. The Committee also noted that in Form 2, S. No. 29, PP/Consultant has submitted that about 783 m length of nalah will be diverted in mined out portion and during the EAC meeting, the Consultant presented that there is no such proposal for diversion of nalah in the mine lease area which is contradictory. The Committee observed that the total mine lease area is 184.149 ha out of which Private Agricultural land is 169.740 ha [Double crop land: 134.111 ha + Single crop land: 16.428 ha + Not cultivated: 19.201 ha] and Govt land is 14.409 ha and there is a loss of livelihood due to diversion of Agriculture land for mining activity and the Consultant has not presented the cost benefit

analysis before the EAC. The Committee also observed that the activities specified under public hearing concerns is not in monitorable and actionable form and PP needs to revisit the components specified under public hearing concerns. The Committee opined that the Project Proponent needs to revise the technical presentation. Therefore, the Committee deferred the proposal for want of requisite information. The Project Proponent vide letter dated 02.06.2022 submitted the information on 07.06.2022 in PARIVESH portal and accordingly the proposal was reconsidered in the 53rd EAC (Non-Coal Mining) meeting held during 28th – 29th June, 2022.

Based on observation of EAC and compliance of observation of EAC made by PP, the following are detailed below:

S. No	Observation of EAC	Reply by Project Proponent
1	<p>The Project proponent needs to submit the Cost Benefit analysis comparing the current agricultural production and annual turnover including the cost and the benefits drawn by the local villages vis-a-vis the mineral cost and beneficiaries.</p>	<p>PP submitted that the total mine lease area is 184.149 ha out of which 169.740 ha (92.18%) is Private Agricultural land and 14.409 ha (7.82%) is Govt. land.</p> <p>PP also submitted that private land of 169.740 ha falls in three villages namely Dithora (116.260 ha), Sannehi Singti (31.672 ha) and Karondi (21.808 ha). Major crops grown are paddy and wheat. Other crops like black gram, mung, sesame, chickpea, mustard, masur, soyabean, onion and vegetables are also cultivated in smaller area. An area of 131.156 ha will be utilized for growing kharif crops and an area of 156.623 ha will be utilized for growing rabi crops. PP also submitted the details of crop wise, area wise, yield wise, gross income, total expenditure and net income in tabular form. PP reported that the total income from the agriculture estimated as Rs 2.03 Cr.</p> <p>Further, PP submitted that it is proposed to produce 0.85 MTPA of limestone. The key elements that determine the net benefit to the Govt. exchequer of a mining project are Revenue from mining and Revenue from value added product i.e., cement. PP reported that the revenue from the mining is estimated as Rs 9.40 Cr and revenue from value added product i.e., cement as Rs 87.27 Cr and thus the total revenue due to the project is estimated as Rs 96.67 Cr.</p> <p>PP reported that the revenue generation due to mining of limestone will be 47 times more than the income from agriculture activities. PP submitted that land owners will be adequately compensated on mutually agreed terms and in</p>

		<p>compliance of the statute while purchasing their lands. In addition, local population will also be benefitted from direct and indirect employment opportunities, infrastructure development for health, education, drinking water, Swachh Bharat Mission, Income Generating Schemes, Capability development trainings for Self-Employment etc.</p> <p>During the EAC meeting, the EAC noted that the PP has not worked out the loss of food grains due to mining activity and asked the Project Proponent to revisit the same. Thereafter, PP vide email and letter dated 29.06.2022 submitted the action plan to compensate the loss of food grain due to mining activity. PP submitted that the crop area in Amarpatan Tehsil is 36,772.293 ha and in Satna District it is 3,30,101.605 ha and whereas crop area in mine lease area is only 156.623 ha. Thus, total crop area is likely to be disturbed works out to 0.4% of Tehsil and 0.05% of District. Hence, there is not significant impact on food grain production. In order to compensate the food grains, the following activities are proposed:</p> <ol style="list-style-type: none">1) Encouraging and facilitating land seller to buy alternate agriculture land for their livelihood.2) Awareness program on better agriculture practices, increasing yield, availability of improved & new variety of seeds, fertilizer, mechanized farming, farm-yard manure, organic farming etc. in consultation with experts from Agriculture Dept, University, Krishi Vigyan Kendra (KVK) etc.3) Capacity building program/skill development to the farmers and exposure visits to enhance yield from the agriculture.4) Facilitating in checking of soil quality and measures for increasing the fertility.5) Facilitating in development of horticultural produce to create tree-based farming system, kitchen garden activities.6) Facilitating in creation of Farmers Producer Organization (FPO)7) Livestock development through artificial insemination, poultry.8) Animal husbandry program like breed development, vaccination, green fodder cultivation & training etc.9) Better irrigation practices for higher yield. <p>PP also submitted that the above practices / measures are</p>
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		<p>proposed to be undertaken regularly on continuous basis to compensate the loss of food grains due to diversion of agriculture land for mining.</p>
<p>2</p>	<p>The Project Proponent needs to properly define the mining methodology including drilling and blasting parameters and controlled measures for ground vibration and noise abatement and land use at the conceptual stage for protection of agricultural lands within the mine lease area.</p>	<p>PP submitted that the method of mining will be opencast mechanized mining, by adopting a system of deep-hole blasting and working with the help of heavy machinery for digging, excavation and removal of ore, over burden and mine reject or waste. Removal of over burden will be done by loader/ excavator and will be scraped by bulldozers. Drilling in hard strata will be done by DTH drills of hole dia 115 to 150 mm. For blasting, explosives such as ANFO, Class-2 Slurry/Emulsion explosives, Nonel detonator & electric detonators will be used. It will be ensured that the optimum charge per delay does not exceed the specified charge per delay per blast with respect to the specified distance from the structures as per the norms by DGMS. Non electric detonators (NONEL) will be used for initiation to ensure maximum safety. Blasted lime stone will be loaded in to the dumpers by excavators/ loaders and will be transported to the destination crushing plant. Ground vibration study will be conducted through CIMFR or any other reputed institute after commencement of drilling and blasting activities.</p> <p>PP also submitted that the following controlled measures for ground vibration and noise abatement will be implemented as mentioned below: (i) Preparation of charge and charging and stemming of holes will be done by a qualified blaster. Proper stemming of holes will be always carried out, (ii) Delay detonators will be used between holes or group of holes and rows of blasting as per the face configuration and advance planning. Short delay in blasting of successive blast holes effectively reduce the vibration problem and prevent flying fragments which may cause injury to local inhabitants within danger zone, (iii) All necessary precautions as enumerated under 106(2)(b) of MMR 1961 will be taken, (iv) Free face will be sufficiently cleared of any loose material before blasting, (v) Number of holes to be blasted at a time will be kept minimum to control the vibration and noise, (vi) Holes will be fired towards the free face. (vii) Over charging will be avoided. The maximum charge per delay will be kept within limit to avoid ground vibration, (viii) Drilling parameters like spacing, burden, depth and diameter of hole will be properly designed and spacing/burden will be always more than one, (ix) No secondary blasting will be done instead rock breaker will be deployed, (x) Holes will be drilled at 10° inclinations from</p>

		<p>vertical so more explosive energy is utilized in productive way, (xi) Blasting with down the hole initiation technique will be adopted which produces less vibration, less noise and better fragmentation, (xii) NONEL system of initiation will be followed to minimize the noise and fly rock and (xiii) Ground vibration will be monitored for each blast.</p> <p>PP submitted that at the conceptual stage, about 106.232 ha area will be used for excavation and 15.863 ha for temporary dumps. Out of 106.232 ha mined out area, 100.690 ha area (about 95% area) will be backfilled and used for agriculture/ community farming/ afforestation purposes and 5.542 ha (around 5%) will be converted into a water reservoir. The temporary dump area of 15.863 ha will be utilized for agriculture/community farming/ afforestation purposes. In this manner, the agricultural land within the mining lease area will be protected at the conceptual stage.</p>
3	<p>The Project Proponent needs to submit the management plan for natural drains in the mine lease area and measures taken for its protection.</p>	<p>PP submitted that Bihar Nadi – seasonal river flows around 50 m away along the lease boundary towards SE direction. Safety barrier of 50 m will be left from the HFL (310 m). To protect the Bihar Nadi from the mining activities as well as to protect the mining pits from the Bihar Nadi, a study was carried out by NIT, Raipur. From the finding of the study an embankment is proposed by NIT, Raipur inside the mine lease area along the Bihar Nadi. Length of embankment will be 900 m and height will be 2.5 m above the HFL (312.5 m).</p> <p>PP also submitted that as per the toposheet, three seasonal nallahs flow inside the lease area.</p> <ol style="list-style-type: none"> i. Nallah on the east side is a first order nallah and originates near the lease boundary. ii. Western side nallah is falling outside lease area and in the safety barrier zone. iii. The third nallah, which is running north-south in the middle of the lease area, is not existing on the ground within the lease area. <p>Hence, diversion of the nallah will not occur due to mining activity.</p> <p>PP vide letter and email dated 29.06.2022 submitted the copy of the NIT Study report for Design of embankment along Bihar river for protection of mining areas and river, along with flow simulation model.</p>
4	<p>The Project Proponent needs to submit the detailed</p>	<p>Project Proponent submitted the point wise compliance of the Office Memorandum No. Z11013/57/2014-IA.II (M) dated 29th October, 2014 as mentioned below: -</p>

	<p>measures taken in compliance of the MoEF&CC Office Memorandum No. Z11013/57/2014-IA.II (M), dated 29th October, 2014.</p> <p>a) The Project Authority shall adopt Best Mining Practice for the given mining conditions. In the mining area, adequate number of check dams, retaining walls/structures, garland drains and settling ponds should be provided to arrest the wash-off with rain water in catchment area.</p> <p>b) The natural water bodies and or streams which are flowing in and around the village should not be disturbed. The Water Table should be nurtured so as not to go down below the premining period. In case of any water scarcity in the area, the Project</p>	<p>PP submitted that the fully mechanized opencast mining will be adopted with high efficiency latest machinery. In order to arrest wash off from solid waste into the water courses, retaining wall of 1.5 m x 1 m will be erected around the external dumps. The slope of mine lease area is gentle and hence there are no water channels over which a check dam can be constructed. After initiating the mining operations, the rainfall run-off water will be channeled into mine pit which acts as settling ponds/rainwater harvesting structures.</p> <p>PP submitted that the natural water bodies and or streams which are flowing in and around the village will be preserved. Water will be accumulated in the mined-out pits. These pits will act as water reservoir. This will nurture ground water table. Addressing water scarcity issue will be taken-up. Regular monitoring of water table levels along with assessment of water quality will be taken-up in post project monitoring.</p>
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	<p>Authorities have to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table.</p> <p>c) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. The Project Proponents (PPs) must ensure that the biological clock of the villagers is not disturbed by</p>	<p>PP submitted that illumination lights will be positioned towards mining areas and due care will be taken not to disturb nearby population at night. Night shift operation will not be done. Noise levels will be kept within permissible levels by regular monitoring and taking all preventive and corrective measures.</p>
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	<p>orienting the floodlights/ masks away from the villages and keeping the noise levels well within the prescribed limits for day/night hours</p> <p>d) The Project Authority shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing. In this context, Project Authority should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun should be scrupulously guarded against felling, lest the cattle abandon the grazing ground or return home by noon.</p>	<p>PP submitted that there is no grazing land in mine lease area. If required, suitable areas will be identified in coordination with revenue department for developing grazing land which acts as common property for the villagers.</p>
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	<p>e) Where ever blasting is undertaken as part of mining activity, the Project Authority shall carry out vibration studies well before approaching any such habitats or other buildings to evaluate the zone of influence and impact of blasting on the neighbourhood. Within 500 meters of such sites vulnerable to blasting vibrations, avoidance of use of explosives and adoption of alternative means of mineral extraction, such as ripper/dozer combination/rock breakers/ surface miners etc. should be seriously considered and practiced wherever practicable. A provision for monitoring of each blast should be made so that the impact of blasting on nearby habitation and dwelling</p>	<p>PP submitted that Ground vibration study will be conducted during initial mining operation. Controlled blasting with delay detonators using ANFO and Nonel will be adopted to keep noise and vibration within safe limits. No mining operation will be carried out within 50 m of any public property. Drilling and blasting will be carried out within 300 m safety barrier from public places after obtaining permission from DGMS.</p>
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	<p>units could be ascertained. The covenant of lease deed under Rule 31 of MCR 1960 provides that no mining operations shall be carried out within 50 meters of public works such as public roads and buildings or inhabited sites except with the prior permission from the Competent Authority.</p> <p>17.</p> <p>f) Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust.</p>	<p>PP submitted that the main haulage road in the mine will be provided with permanent water sprinklers and other roads will be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points will be provided with bag filters. Material will be transported by covered truck.</p>
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	<p>Appraisal Committee (EAC) should consider the proposal of Environmental Clearance (EC) for reduced mining area. The Mining lease may be executed for the area for which EC is accorded. The mining plan may also be accordingly revised and required stipulations under the MMDR Act, 1957 and MCR, 1960 met.</p> <p>i) Transportation of the minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The PP shall bear the cost towards the widening and strengthening of</p>	<p>PP submitted that the existing roads will be strengthened and maintained for facilitating transportation of mineral.</p>
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	<p>existing public road network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads</p> <p>j) Likewise, alteration or re-routing of foot paths, pagdandies, cart roads, and village infrastructure/public utilities or roads (for purposes of land acquisition for mining) shall be avoided to the extent possible and in case such acquisition is inevitable, alternative arrangements shall be made first and then only the area acquired. In these types of cases, Inspection Reports by site visit by experts may be insisted upon which</p>	<p>PP submitted that two small portions of cart tracks will be slightly diverted. First the diverted road will be constructed and then the original cart track shall be disturbed. Particulars about the proposed diversion is shown on the conceptual plan.</p>
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	<p>should be done through reputed Institutes.</p> <p>18.</p> <p>k) As CSR activities by Companies including the Mining Establishments has become mandatory up to 2% of their financial turn-over, Socio Economic Development of the neighbourhood Habitats could also be planned and executed by the PPs more systematically based on the 'Need based door to door survey' by established Social Institutes/Workers on the lines as required under TOR. "R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be</p>	<p>PP submitted that as the mine is for captive purpose, no selling of limestone is envisaged. However, company has already started several CSR activities in and around ML area. R&R plan developed as per the state/national guidelines/policy. No village located in the mine lease will be displaced. SCs/STs and other weaker sections have given due weightage in the development plan and shall leverage with existing govt. schemes. Need based door to door survey has been carried out to plan socio economic development of neighborhood habitat during R&R study.</p>
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	<p>kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need-based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village located in the mine lease area will be shifted or not. The issues relating to shifting of Village including their R&R and socio-economic aspects should be discussed in the EIA report.”</p>	
5	<p>The Project Proponent needs to submit the land use classification of mine lease area of 184.149 ha along</p>	<p>PP submitted the khasra schedule mentioning the khasra no, type of land with the ownership of the land in the mine lease area of 184.149 ha.</p> <p>PP submitted the map showing the demarcating the Government land of 14.409 ha and Private land of 169.740</p>

	<p>with the ownership of the land with the supporting documents and their designated use. PP also needs to submit the map demarcating the mining zone in the Government and Agriculture land separately along with the plan for restoration of ecology.</p>	<p>ha. PP also demarcated the mining area of 106.232 ha out of which 4.632 ha will be mined in Govt land and 101.60 ha will be mined in private agricultural land.</p> <p>PP reported that there will be no reclamation & rehabilitation of mined out area by back filing during the first five-year plan period. At the end of the life of the mine, pit area of about 5.542 ha will be converted into water reservoir and utilized for community use. This will help to recharge the ground water enhancing more water availability to local population. An area of 100.690 ha will be backfilled. Out of which 100.69 ha back-filled area, an area of 6.6 ha will be under plantation on either side of diverted road, rest i.e. 94.09 ha will be utilized for agri-farming. Apart from above, 15.863 ha area used for temporary dumps will also be reclaimed and made suitable for agri-farming. Total area under agri-farming will be 109.953 ha and area under plantation/greenbelt will be 55.246 ha. Back-filling of old mine pits which are going to be reclaimed starts with the use of stony waste and overburden as the bottom layers. Top soil stored separately will be used to cover the rough textured waste used for backfilling to a thickness of 30 to 50 cm. Estimated cost of integrated eco-restoration and afforestation is about Rs 2.186 crores.</p>																								
6	<p>The Committee noted that the area selected for dumping is mineralized area and hence the PP needs to explore the possibility of shifting the dump to the non-mineralized area and also needs to submit the map for the same.</p>	<p>PP submitted that the area selected for dumping is a non-mineralized area. The area contains Shale / High Magnesian Limestone, which is not suitable to be blended along with limestone to produce clinker. Hence, this High Magnesian Limestone is termed as reject material. There is a very thin band (2 – 2.5 m) of limestone at some portions occurring below a depth of 25-35 m, which is not economically mineable. Therefore, this area has been selected for temporary dumping of reject material and soil, which eventually would be entirely consumed for back-filling of mined-out pits. PP also submitted the Geological plan and section showing the band of limestone in the mine lease area.</p>																								
7	<p>The Project Proponent needs to revise the budget for addressing the public hearing concerns as well as the component included in the table. PP has submitted</p>	<p>PP submitted the budget of public hearing have been revised from Rs 71.0 Lakhs to Rs 198.0 Lakhs.</p> <table border="1" data-bbox="581 1648 1432 1896"> <thead> <tr> <th colspan="7">Action Plan of Public Hearing with time line of 3 years</th> </tr> <tr> <th rowspan="2">S. No</th> <th rowspan="2">Public Hearing point</th> <th rowspan="2">Thematic Area</th> <th rowspan="2">Action Plan</th> <th colspan="3">Budget in Lakhs</th> </tr> <tr> <th>1st year</th> <th>2nd year</th> <th>3rd year</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Need based</td> <td>Drinking water</td> <td>Hand pump installation/ borewell with tap water supply. 13 Nos.@</td> <td>3.0</td> <td>6.0</td> <td>4.0</td> </tr> </tbody> </table>	Action Plan of Public Hearing with time line of 3 years							S. No	Public Hearing point	Thematic Area	Action Plan	Budget in Lakhs			1 st year	2 nd year	3 rd year	1	Need based	Drinking water	Hand pump installation/ borewell with tap water supply. 13 Nos.@	3.0	6.0	4.0
Action Plan of Public Hearing with time line of 3 years																										
S. No	Public Hearing point	Thematic Area	Action Plan	Budget in Lakhs																						
				1 st year	2 nd year	3 rd year																				
1	Need based	Drinking water	Hand pump installation/ borewell with tap water supply. 13 Nos.@	3.0	6.0	4.0																				

<p>that the Project Cost is Rs 110.0 Cr and expenditure amount of about Rs 2.0 Cr expected to be revised. The component should include capital investment in three years as mentioned below:</p> <p>a) Infrastructure for school, education and health b) Agriculture sector c) Pollution control for air, noise and water, soil d) Drinking water supply e) Ecosystem development including green cover plantation and plantation in the buffer zone including avenue plantation.</p> <p>The component should be monitorable and verifiable and must have a budget for capital budget to be spent within 3 years and recurring expenditure till the life of the mine.</p>				Rs.1,00,000/- in all project village			
	2	Sports Promotion and Support (Juber Khan, village Babrakha and Rustam Khan, village Bigodi)	Promotion of sports	Playground preparation and supply of sports equipment/kits etc. 04 Nos. @Rs.2,00,000/- in all project villages	4.0	2.0	2.0
				Youth club formation and Promotion of sports. 06 Nos.@ Rs.50,000/- in all project villages	1.0	1.0	1.0
	3	1. Employment Creation for People (Mr. Arman Khan, Village Babrakha) 2. Agriculture development (Nafis Khan, Village Bigodi)	Livelihood and Skill development	Skill training Centre (Stitch Centre / motor driving/ general duty assistant/ electrical assistant/Beauty parlor training center/ and other product dev training for women etc.). 90 Nos. @ Rs.20,000/- in all project villages	4.0	8.0	6.0
				Wadi development, Agriculture and Livestock promotion and support prog etc. 550 Nos. @Rs.10,000/- in all project villages	15.0	20.0	20.0
	4	Need based	Rural Infrastructure Development	Construction of CC road, drainage, boundary wall construction etc. 1500 RM @Rs.4,000/- in all project villages	20.0	20.0	20.0
	5	Need based	Education support	Education/school support program (Including Anganwadi). 05 Nos. @ Rs.2,00,000/- in all project villages	2.0	4.0	4.0
6	Need based	Health	Health checkup camp. 15 Nos. @ Rs.40,000/- in	2.0	2.0	2.0	

			all project villages				
			Health awareness program in Schools and Anganwadi, distribution of swatchhata kits, Sanitation & Bleaching of villages, school area. 600 Nos. @Rs.1,000/- in all project villages	2.0	2.0	2.0	
7	Need based	Environment and Energy	Installation of Solar Street light and community plantation. 60 Nos. @ Rs.15,000/- in all project villages	3.0	3.0	3.0	
			Pond deepening/desilting. 05 Nos. @ Rs.2,00,000/- in all project villages	2.0	4.0	4.0	
Total (in lakhs)				198.0	58.0	72.0	68.0

During the EAC meeting, the EAC was of the view that the Project Proponent needs to revisit the public hearing action plan by inclusion of provision of mobile dispensary and also to revise the public hearing components and the cost. Accordingly, PP vide email and letter dated 29.06.2022 submitted the revised public hearing action plan and also increased the budget from Rs 198.0 Lakhs to Rs 207.0 Lakhs.

S. No	Thematic Area	Action Plan	Budget in Lakhs			
			1 st year	2 nd year	3 rd year	Total
1	Drinking water	Hand pump installation/ borewell with tap water supply. 13 Nos. @ Rs.1,00,000/- in all Dithora, Sannehi Singti & Karondi Villages	3.0	6.0	4.0	13.0
2	Promotion of sports	Playground preparation and supply of sports equipment/kits etc. 04 Nos. @Rs.2,00,000/- in Dithora, Sannehi Singti & Karondi Villages	4.0	2.0	2.0	8.0

Minutes of 53rd EAC (Non-Coal Mining) Meeting held during 28th – 29th June, 2022

			Youth club formation and Promotion of sports. 03 Nos. @ Rs.1,00,000/- in Dithora, Sannehi Singti & Karondi Villages	1.0	1.0	1.0	3.0
		3	Livelihood and Skill development				
			Skill training Centre (Stitch Centre / motor driving/ general duty assistant/ electrical assistant/Beauty parlor training center/ and other product dev training for women etc.). 90 Nos. @ Rs.20,000/- in Dithora, Sannehi Singti & Karondi Villages	4.0	8.0	6.0	18.0
			Wadi development, Agriculture and Livestock promotion and support prog etc. 550 Nos. @Rs.10,000/- in Dithora, Sannehi Singti & Karondi Villages	15.0	20.0	20.0	55.0
		4	Rural Infrastructure Development				
			Construction of CC road, drainage (village internal road) in Dithora Village (3 m width, 8 inch thickness, 1500m length @Rs.4,000/- per running mtr)	20.0	20.0	20.0	60.0
		5	Education support				
			Education/school support program like digital classrooms, mini science labs, library set up etc. 05 No.s. @ Rs 2,00,000/- in Dithora, Sannehi Singti & Karondi Villages	2.0	4.0	4.0	10.0
		6	Health				
			Health checkup camp. 15 Nos. @ Rs.40,000/- in Dithora, Sannehi Singti & Karondi Villages	2.0	2.0	2.0	6.0
			Mobile medical van with life saving support system having facilities of qualified Doctor, Pharmacist, paramedic etc., for visiting Dithora, Sannehi Singti & Karondi Villages on	3.0	3.0	3.0	9.0

			weekly basis.					
			Health awareness program in Schools and Anganwadi, distribution of swatchhata kits, Sanitation & Bleaching of villages, school area. 600 Nos. @Rs.1,000/- in Dithora, Sannehi Singti & Karondi Villages	2.0	2.0	2.0	6.0	
		7	Environment and Energy	Installation of Solar Street light and community plantation. 60 Nos. @ Rs.15,000/- in Dithora, Sannehi Singti & Karondi Villages	3.0	3.0	3.0	9.0
			Pond deepening/desilting. 05 Nos. @ Rs.2,00,000/- in Dithora, Sannehi Singti & Karondi Villages	2.0	4.0	4.0	10.0	
			Total (in Rs Lakhs)	61.0	75.0	71.0	207.0	
8	<p>The Committee noted that the proposal of installing crusher with a capacity of 300 TPH is not a part of TOR dated 19.11.2019. However, in Form 1 under (II) Activity S. No 1.5, PP has mentioned that 300 TPH crusher will be involved. Hence, PP needs to clarify whether the proposal of crusher is part of TOR or not and the impacts of crusher has been addressed in the public hearing or not?</p>	<p>PP submitted that the proposal of crusher of 300 TPH capacity is a part of Form1 and Prefeasibility report as well as TOR presentation to EAC. The details of crusher are also mentioned in approved mine plan and EIA. The impacts of the crusher have been addressed in the EIA report submitted for public hearing as well.</p> <p>PP submitted that the mined-out limestone is in the form of boulders, ranging from a few inches to a meter in size. These varying sizes of limestone boulders need to be sized by crushing in order to be prepared for finish grinding. Thus, ROM limestone will be crushed at the crusher of 300 TPH capacity installed within mining lease area before transport to cement plant. PP reported that the emission rate of 0.66 g/s during crushing and emission rate of 0.14 g/s during screening has been considered for prediction of air quality modeling.</p> <p>PP also submitted that control measures such as water sprinkling on haul roads, dust collector and water spraying arrangements at crusher plant, regular maintenance of mining machinery etc. will be practiced to minimize air pollution, water spraying/ fogging system will be provided at crusher feed hopper and other suitable areas, Bag filter will be provided at each transfer point at crusher plant; and the</p>						

		thick green-belt will help in minimizing effect of Air and Noise Pollution on habitation.
9	The Project Proponent needs to submit the English translation of minutes of public hearing as per the ToR compliance of Point No 65, d.	PP submitted the translation of minutes of public hearing in English for which the public hearing held on 02.02.2022.
10	The Project Proponent needs to submit the all the analysis/testing reports of water, air, soil, noise, etc. using the MoEF&CC/NABL accredited laboratories.	PP submitted the analysis/testing reports of water sample collected on 02.01.2020 to 03.01.2020, air quality monitored during the period 03.12.2019 to 29.02.2020, soil sample collected on 02.01.2020 to 03.01.2020 and noise level monitored during the period 16.02.2020 to 24.02.2020 accredited by the NABL approved laboratory “Vimta Labs Limited.”

4. The details of the project as ascertained from the document submitted by the Project Proponent are mentioned below:

i. The details of the Terms of Reference (ToR) are furnished as below:

Date of application	Proposal No	Consideration	Details	Date of accord
27.03.2019	IA/MP/MIN/100548/2019	April 23-24, 2019 & August 27-28, 2019	Terms of Reference for production capacity of 0.85 MTPA Limestone (ROM), 1.74 MTPA Waste/Reject, 0.44 MTPA of Top Soil/Alluvium (Total Excavation 3.03 MTPA) in the mine lease area of 184.149 ha	19.11.2019

ii. Details of mine lease:

- a) The Project Proponent submitted that the Letter of Intent (LoI) for grant of mining lease issued by the Department of Mineral Resource, Govt. of Madhya Pradesh vide letter no. F 3-1/2018/12/1 dated 24.03.2018 over an area of 184.149 ha in villages Sannehi Singti, Dithoura and Karaundi, Tehsil: Amarpatan, District: Satna in the name of M/s Reliance Cement Company Private Limited.

- b) Further, PP submitted that the name of the Company changed from M/s Reliance Cement Company Private Limited to M/s RCCPL Private Limited and the same was approved by the Office of the Registrar of Companies, Ministry of Corporate Affairs, Government of India vide letter no. Corporate Identification Number (CIN) U26940MH2007PTC173458 dated 01.08.2018.
- c) PP also submitted a copy of order no F3-1/2018/12/1 dated 14.03.2019 *inter-alia* stating that after giving due consideration agreed to change name of the company from M/s Reliance Cement Company Private Limited to M/s RCCPL Private Limited under rule number 61(1) of the Mineral (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rule 2016, in the Letter of Intent 2016, by the Mineral Resource Department, Government of Madhya Pradesh.
- d) PP submitted the grant of mining lease issued by Govt. of Madhya Pradesh vide Lr No. F 3-1/2018/12/1 dated 25.09.2020 over an area of 184.149 ha for a period of 50 years.
- e) PP also submitted the mine lease deed executed on 12.11.2020 and registered on 27.11.2020 between the Governor of Madhya Pradesh and M/s RCCPL Private Limited for a period of 50 years over an area of 184.149 ha.

iii. Land Use/Land Cover of the mine lease area:

Government land	14.409 ha
Private agriculture land	169.740 ha [Double crop land: 134.111 ha + Single crop land: 16.428 ha + Not cultivated: 19.201 ha].
Total Mining lease area (MLA)	184.149 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

iv. Mining plan details:

Mining Plan including Progressive Mine Closure Plan approved by Indian Bureau of Mines (IBM)	Letter No.	MP/Satna/Limestone/MPLN/G-04/19-20 3536
	Date	20.11.2019
	Mine lease area	184.149 ha
	Mineral	Limestone
	Validity	5 years
Mining Parameters	Quantitative Description	
Method of Mining	Opencast fully mechanized	
Geological Resources	53.45 Million Tonnes	
Mineable Reserves	32.35 Million Tonnes	
Life of mine	41 years	
Bench Height	6 m	
Bench Width	Minimum working bench width would be maintained	

	as 20-30 m
Individual bench slope	77 ^o - 80 ^o
Overall pit slope	45 ^o
Drilling/Blasting	Crawler mounted hydraulic excavator with bucket capacity of 2.6 m ³ capacity will be used for loading. 115 mm to 150 mm size drills will be used for drilling and shovel combination with 30 – 60 tonne capacity dumpers or 18 tonne capacity tippers will be used to transport the blasted material from the face to dump area and crusher.
RoM output size	600 mm
Crusher	PP proposed to install 300 TPH crusher within the mine lease area.
Transportation details	The limestone after processing will be dispatched to own cement plant of the RCCPL Pvt. Ltd. at Bharauli for captive use. It is proposed to transport the limestone up to the cement plant (68 km) by tipper trucks through road. The ROM limestone will be crushed before being dispatched to the cement plant. Further, till the installation of crusher, sized limestone will be transported to cement plant for captive use.
Dumpers capacity	18 Tonne
Mineral beneficiation	PP reported that no beneficiation of limestone will be carried out and there is no proposal for beneficiation plant in the mine lease area.
Topsoil	PP reported that during five-year period, 8,50,559 m ³ of top soil will be generated which will be temporarily stacked in NW side of ML area over an earmarked area of 6.250 ha. Upto conceptual period, total 99,44,441 m ³ top soil will be generated this will be dumped in the non-feasible area i.e., in the NW part of the ML area and will be further used for backfilling along with the mine waste generated in the 1 st two year while the 3 rd to 5 th year waste will be dumped within the ML area. The topsoil which is fertile in nature will be used for plantation.
OB/Waste	PP reported that during the 1 st five years period, about 16,17,133 m ³ of OB/waste will be generated. Upto conceptual period 30,578,880 m ³ OB will be generated. The generated OB/waste material will be mainly shale and high Magnesian Limestone etc. This material will be dumped on earmarked area and finally utilized for backfilling in subsequent stages of mining.

Groundwater intersection	PP reported that the depth of mining will be max 70 m and the ground water level in the area is 40-45 m bgl in pre monsoon and 35-40m bgl in post monsoon. The mining will intersect the ground water after 11 years of mining.
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v. Water requirement:

Total water requirement	183.0 KLD (Fresh water: 183.0 KLD, Treated water: Nil)	Dust suppression (Mine + Crusher)	138.0 KLD
		Greenbelt / Plantation	30.0 KLD
		Domestic	5.0 KLD
		Workshop	10.0 KLD
Source	Ground water during initial years of operation		
Permission	PP submitted the application for issue of NOC vide Application 21-4/1186/MP/MIN/2021 to CGWA on 26.12.2021 and is under process.		

vi. Nearest village / town/ highway/railway station / water bodies:

Particulars	Particular's Name	Distance & Directions
Nearest Village	Dithora	Adjacent, N
Nearest Town	Rewa	16 km, NE
Nearest Highway	NH-75 Panna Khajuraho Road	140 m, S
Nearest Railway station	Rewa	15 km NE
Nearest Water bodies	Bihar River	50 m. SE
	Seasonal nallahs exist within study area	

vii. Presence of Environmentally Sensitive areas in the study area:

The Project Proponent reported that no forest land is involved in the mine lease area of 184.149 ha. PP reported that there are no National Park, Sanctuaries, Biosphere reserves, Wild Life Corridors, Ramsar Site/ Elephant reserves exist within 10 km of the mine lease and the same is authenticated from the Divisional Forest Officer vide letter dated 04.03.2021. PP also submitted the authenticated map showing National Park, Sanctuaries, Biosphere reserves, Wild Life Corridors, Ramsar Site/ Elephant reserves exist within 10 km of the mine lease authenticated vide letter dated 08.04.2021. Further, PP reported that the following Reserve Forest such as Mand RF: 1.8 km, E, Papra RF: 4.8 km, S and Govindgarh RF: 4.9 km, SSE are found within the 10km radius of the mine lease area. The Project Proponent reported that there are no Schedule-I species found in the study area and the submitted the list of flora and fauna authenticated from DFO vide letter dated 04.03.2021.

viii. Green belt/plantation details:

Proposed area for green belt/plantation	55.25 ha
Total no. of plants	82,869 no.s
Budget for green plant & plantation till the end of life of mine.	Rs 2.186 Crore
Budget for nursery	
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	Greenbelt: 55.246 ha
50 m safety zone of nallah, roads, electric lines	
500 m safety zones of nearest habitation villages	
Additional information (if any)	PP submitted that area of 100.690ha of backfilled area may be used for plantation.

ix. Baseline detail:

The primary baseline data for specific micro-meteorology data, ambient air quality, waste quality, noise level, soil and flora & fauna has been collected during Winter Season i.e., December, 2019 to February, 2020. The Monitoring results of ambient air, surface water, soil, ambient noise and ground water have been reported and no major divergence was observed with respect to concentration values of various parameters of collected samples.

Period	December, 2019 to February, 2020				
AAQ parameters at 9 locations	Pollutant	Min, $\mu\text{g}/\text{m}^3$	Max, $\mu\text{g}/\text{m}^3$	98 %ile, $\mu\text{g}/\text{m}^3$	Standard, $\mu\text{g}/\text{m}^3$
	PM2.5	14.4	25.6	22.5	60
	PM10	28.6	48.9	43.3	100
	SO2	9.1	13.2	12.4	80
	NOx	12.1	18.4	17.1	80
AAQ modelling (Incremental GLC) – AERMOD Software	Pollutant	Baseline Concentration, $\mu\text{g}/\text{m}^3$	Incremental Concentration, $\mu\text{g}/\text{m}^3$	Total GLC, $\mu\text{g}/\text{m}^3$	Standard
	PM10	48.9	7.4	56.3	100
	PM2.5	25.6	2.2	28.0	60
	SO2	13.2	0.1	13.3	80
	NOx	18.4	15.5	33.9	80
Noise level at 9 locations	Day Time: 38.3 to 50.3 Leq dB (A) Night Time: 34.4 to 46.2 Leq dB (A)				
Ground water quality at 9 locations	PP reported that pH of collected water samples varied from 6.88 to 7.64. Electrical conductivity ranged between 161 – 373 $\mu\text{S}/\text{cm}$. Total hardness varied from 47.6–310.9 mg/l. Total Dissolved Solids in the water samples ranged from 91 - 527 mg/l. Chlorides and Sulphates concentrations at all the locations 26.5–55.6 mg/l and				

	24.5 – 35.8 mg/l respectively. All the parameters are found to comply with the requirements of IS: 10500: 2012.
Surface water quality at 4 locations	PP reported that pH of collected water samples varied from 7.11 to 7.7. Electrical conductivity ranged between 151 – 178 µS/cm. Dissolved Oxygen was observed in the range of 5.2 - 6.1 mg/l. BOD values were observed in the range less than 3 mg/l. The total hardness was found to be in the range of 41 - 52 mg/l. The Chloride concentration was observed in the range of 10.6 mg/l to 20.8 mg/l. Nitrates content was found to be in the range of 0.7 -1.4 mg/l which is within the standard limits. The physico-chemical and biological analysis revealed that most of the parameters are well within the permissible limits as per IS: 2296. The surface water quality does not indicate any industrial contamination.
Soil quality at 9 locations	PP reported that as per the physical data soils are fine texture, having low bulk density, imperatively high water holding capacity, and slow permeability. As per physical characters soils are rated as moderate to good for agriculture. As per chemical characters soil reaction (pH) soils are slightly acidic to neutral and electrical conductivity (EC) is non saline (normal). Organic matter is very low to low, macro-nutrient like nitrogen is very low to low and phosphorus is medium, good to sufficient, potassium is very low to low, calcium, magnesium is high and base saturation is very high. Sodium is below the limit to make soil saline or sodic or alkali. Micro-nutrients, Mn (high), Zn (high), and B (Normal), Fe (v.low) Al (v.low), SO ₄ and Cl are normal to high. As per analysis of soils data and field observation the land can be classified as class II e and III e land i.e., moderate to good soils on plain to gentle slopes subject to water erosion, as per land capability classification (USDA) i.e., good land for sustained agriculture.
Traffic Survey	PP reported that the traffic density study was conducted at Maihar, [SH-30 & SH-11] (To & Fro), Amarpatan, [SH-30 & SH-13] (To & Fro) and Near Kathaha [SH-30] (To & Fro) passing through transportation route from mine site to cement plant site. About 158 trucks per day would be required for transportation of material. The traffic contribution from mine to the road network i.e., 'to and fro' movement of 316 vehicles per day, which is equivalent to 948 PCU per day (taking a PCU factor of 3 per vehicle). The estimated peak traffic in terms of PCUs is compared with the stipulated standards by IRC for traffic capacity of the roads and it can be observed that the existing road network is adequate and the Level of Service (LOS) found to be 'A'.

x. Public Hearing (PH) Details:

Advertisement for PH with date	01.01.2022
Date of PH	02.02.2022

Venue	Sannehi Bada Gram Panchayat near mine lease (1.0 km from mine lease area)
Chaired by	Additional District Magistrate
Main issues raised during PH	Pollution control, Renovation of playground and provision of sports items, Environment management, development of agriculture, Land compensation, employment
Budget proposed for addressing issues raised during PH	Rs 207.0 lakhs

xi. Rehabilitation & Resettlement (R&R):

The Project Proponent submitted that the mining lease area of 184.149 ha falls in 3 Villages namely Dithora, Karaundi and Sannehi Singti and the no. of Project Affected Families (PAFs) is 361. The Project Affected Families-PAFs of partially affected villages will lose only agricultural lands. There are no Scheduled Tribes between surveyed PAFs in the study area. The land purchase for the proposed limestone mine will be implemented under the provisions of the Central and Madhya Pradesh State Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Rules, 2015 dated 03/09/2015. PP earmarked a budget of Rs 51.98 Cr towards Rehabilitation & Resettlement (R&R).

xii. Court case details:

Court Case	PP submitted that there is no any Court Cases pending against the project and/or land in which the project is proposed to be set up.
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xiii. Affidavit/Undertaking details:

Affidavit in a Non-Judicial stamp paper of Rs 100 bearing VT 395835 dated 24.09.2019	<p>i. No mining activity has been carried out in the mining lease area and no mining activity will be carried out till all the regulatory clearances are obtained.</p> <p>ii. M/s RCCPL Private Limited would comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors.</p>
Project Proponent submitted an Undertaking dated 31.03.2022	PP submitted an undertaking stating that information and the data provided in the EIA report and submitted to the Ministry are factually correct & Project Proponent is fully accountable for the same.

Consultant submitted an Undertaking dated 31.03.2022	The Consultant submitted an undertaking stating that the M/s Vimta Labs Limited has compiled with all the prescribed Terms of Reference issued by MoEF&CC, vide Letter No. J-11015/34/2019-IA.II (M) dated 19.11.2019 stipulated for EIA for the proposed Bigodi Limestone mine with production capacity of 0.85 MTPA Limestone (ROM), 1.74 MTPA Waste/Reject, 0.44 MTPA of Top Soil/Alluvium (Total Excavation 3.03 MTPA) from the Mine Lease Area of 184.149 ha located at Dithora, SannehiSingti and Karaundi Villages, Amarpatan Tehsil, Satna District, Madhya Pradesh.
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xiv. Details of the EMP:

Activities	Capital cost (Rs in Crores)	Recurring cost (Rs in Crores/ annum)
Air pollution control and management	2.280	0.904
Water and wastewater control and management	2.835	0.341
Noise and vibration control and management	0.110	0.010
Soil conservation and solid waste management	0.279	0.031
Plantation & Green Belt	2.186	0.123
Others	3.075	0.000
Total	10.765	1.409

xv. Details of project cost and employment:

Particulars	(Rs. in Crore)
Capital Cost for Environment Protection	7.69
Budget for addressing the Public Hearing issues	2.07
Total Cost for EMP	10.76
Recurring Cost for EMP	1.409
Project Cost	110
Employment	103 Persons

5. **Observations and recommendation of Committee:**

The EAC deliberated on the additional details submitted by the Project Proponent and noted that the total mine lease area is 184.149 ha out of which 169.740 ha (92.18%) is Private Agricultural land and 14.409 ha (7.82%) is Govt. land. The EAC noted that based on the cost benefit analysis submitted by the Project Proponent it was observed that the revenue generation due to mining of limestone will be 4.6 times more than the income from agriculture activities excluding the revenue from Cement. The EAC also noted that the PP has worked out the loss of food grains due to mining activity

and same vide email dated 29.06.2022 submitted the action plan to compensate the loss of food grain due to mining activity. The EAC opined that the compensation should be in with the resettlement policy of the State Government.

The EAC observed that the Bihar Nadi – seasonal river flows around 50 m away along the lease boundary towards SE direction. The Project Proponent informed that safety barrier of 50 m will be left from the HFL (310 m) and to protect the Bihar Nadi from the mining activities as well as to protect the mining pits from the Bihar Nadi, a study was carried out by NIT, Raipur for design of embankment along River Bihar for protection of mining areas and river, along with flow simulation model. From the finding of the study an embankment is proposed by NIT, Raipur inside the mine lease area along the Bihar Nadi. Length of embankment will be 900 m and height will be 2.5 m above the HFL (312.5 m). The EAC advised the Project Proponent to carry out the thick plantation along the safety barrier and shall ensure that the natural water bodies and or streams which are flowing in and around the vicinity of the mine lease area should not be disturbed.

The EAC noted that the Project Proponent informed that out of 106.232 ha mined out area, 100.690 ha of area (about 95% area) will be backfilled and used for agriculture/ community farming/ afforestation purposes and 5.542 ha (around 5%) will be converted into a water reservoir and utilized for community use. Topsoil and waste generated will be stacked for five years, and will be used for backfilling the mined-out area from the sixth year onwards, following closely the complete extraction of the limestone. Top soil stored separately will be used for backfilling to a thickness of 30 to 50 cm. Estimated cost of integrated eco-restoration and afforestation is about Rs 2.186 crores. The EAC was of the view that the Project Proponent to ensure the quality of the topsoil does not change and the backfilling area should be reclaimed as the mining progresses.

Based on the above discussions held, the EAC **recommended** the proposal for grant of Environmental Clearance of M/s RCCPL Private Limited for mining of Limestone in Bigodi Limestone mine with production capacity of 0.85 MTPA Limestone (ROM), 1.74 MTPA Waste/Reject, 0.44 MTPA of Top Soil/Alluvium (Total Excavation 3.03 MTPA) along with 300 TPH crusher within the mine lease area of 184.149 ha, located at Dithora, SannehiSingti and Karaundi Villages, Amarpatan Tehsil, Satna District, Madhya Pradesh under the provisions of EIA Notifications, 2006 and its amendments therein, subject to the following specific conditions in addition to the standard EC conditions applicable for non-coal mining projects:

- i. The Environmental Clearance (EC) will be valid for 41 years from the date of issue of this EC as the life of the mine is 41 years. As per Ministry's Notification S.O 1807(E) dated 12.04.2022, beyond thirty years, subject to the condition that the adequacy of the existing environmental safeguards laid down in the existing Environmental Clearance shall be examined by concerned Expert Appraisal Committee every five years beyond thirty years, on receipt of such application in the laid down proforma from the Project Proponent within the maximum validity period of Environmental Clearance of thirty years, and subsequently on receipt of such application in the laid down proforma from the Project Proponent within the validity period of the extended Environment Clearance, every five years for incorporating such additional environment safeguards in the Environmental Management Plan, as may be deemed necessary, till the validity of the mining lease or end of life of mine or fifty years, whichever is earlier.
- ii. The EAC noted that the Topsoil will be stacked in the mine lease area during the proposed first five-year plan period and will be utilized from 6th year onwards for the purpose of backfilling. Hence, the Project Proponent shall ensure that the topsoil shall be stored at earmarked site(s) only and also PP must ensure that quality of the topsoil does not change and the backfilling area should be reclaimed as the mining progresses.
- iii. The Project Proponent should implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs inline with the policy and guidelines of the Central/State Government, as provided under the law in such a way that the compensation should benefit the current and future generation.
- iv. The EAC noted that the life of mine will be for 41 years and Project Proponent informed that an area of 100.690 ha land will be backfilled and an area of 5.542 ha will be converted into water body. Hence, the Project Proponent needs to work out the plan for returning this land to the Government in parts as this will enable the Government to restart the agriculture activity.
- v. The Project Proponent shall install inpit conveyor system till crusher plant and further transportation till cement plant shall be conducted in 35-40 tonne of trucks only. PP shall maintain the road of 68 km from mine to cement plant in-collaboration with State Government and proof of expenditure spent shall be submitted to Ministry's IRO in its six monthly report.
- vi. No transportation shall be conducted on village road.

- vii. The Project Proponent should install the one continuous ambient air quality monitoring stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.

- viii. The Project Proponent shall monitor the noise level and ground vibration by installing adequate no. of monitoring station during drilling and blasting at the edge of the mine, near the nadi, near the village, near the agriculture field, crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Integrated Regional Office.

- ix. The Project Proponent shall ensure that the natural water bodies and or streams which are flowing in and around the vicinity of the mine lease area should not be diverted. The Project Proponent shall strictly follow the mitigation measures provided in MoEF&CC Office Memorandum No. Z-11013/57/2014-IA.II(M), dated 29th October, 2014.

- x. The Project Proponent shall continue to monitor the water quality of stream/nallah with specific reference to Langelier Saturation Index to assess the impact of calcium carbonate on water quality.

- xi. The budget of Rs. 207.0 Lakhs to address the concerns raised by the public including in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes.

- xii. The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 10.76 Cr by PP. The Project Proponent shall also maintain the record of expenditure spent towards integrated eco-restoration and afforestation budget of Rs 2.186 crores. The implementation status of the above shall be submitted to the Ministry's Integrated Regional Office.

- xiii. The Project Proponent shall explore the possibility of providing employment to local people on monthly basis.
- xiv. As committed by the Project Proponent, the proposed activities to compensate the loss of food grains shall be implemented and shall submit the implementation status and its outcome to the Ministry's Integrated Regional Office.
- xv. The Project Proponent shall implement the WADI programme and conduct awareness programs to local people on modern agriculture practices, organic farming etc., in consultation with experts from Department of Agriculture, Krishi Vigyan Kendra (KAK) etc.,
- xvi. The Project Proponent shall provide mobile dispensary with all necessary amenities including COVID healthcare facilities with qualified Doctor and Pharmacist for enabling the local people to utilize the healthcare services on weekly basis.
- xvii. The Project Proponent shall promote the education by facilitate the online education system by providing Wi-Fi connectivity, smart classrooms and by establishing the mini science laboratory, library in Dithora Sannehi, Singti & Karondi Villages.
- xviii. The Project Proponent shall undertake plantation by planting the seedling of 10 ft height with at least 95% survival rate. The causalities of each year shall be replaced every year with new saplings and such number of saplings shall not be counted in the number of saplings proposed to plant in that year. PP shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies. The Project Proponent shall undertake dense tree plantation of native fruit bearing species all along the safety zone of 50 mts on either side of nadi within two years and certify this with DFO.
- xix. The Project Proponent needs to install the permanent water sprinklers along the haul road. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, and other areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions. Further, 5 nos. of fog canon/mist sprayer of atleast 40 mtrs throw shall be installed at various location in the mine area

- xx. The Project Proponent should establish an inhouse team of qualified environmental engineers to monitor the environment management and emergency response team incase of mine inundation. The concerned team of environment engineers shall be located at mine site only for regular compliance of EC conditions.
- xxi. NoC from the Central Ground Water Authority (CGWA)/ Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.
- xxii. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- xxiii. The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Integrated Regional Office.

2.2 Amendment in Environment Clearance vide letter dated 22.04.2022 of M/s J K Cement Ltd for mining of Limestone in Nayagaon & Chenpura Limestone mine in the mine lease area of 206.354 ha with proposed production capacity 2.502 million TPA ROM (Cement Grade Limestone: 0.876 million TPA & Subgrade Limestone: 1.626 million TPA), Soil/Alluvium: 0.040 million TPA, Waste: 0.5 million TPA [Total Excavation: 3.05 million TPA] along with 2 x 500 TPH capacity of crusher with screening located at Village: Nayagaon, Tehsil: Jawad and Village: Chenpura, Tehsil: Neemuch, District: Neemuch, Madhya Pradesh – [File No: IA-J-11015/7/2021-IA-II(M), Proposal No: IA/MP/MIN/276200/2022, Consultant: JM EnviroNet Pvt. Ltd] - Amendment in EC

The instant proposal is for amendment in EC dated 22.04.2022 of M/s J K Cement Ltd for mining of Limestone in Nayagaon & Chenpura Limestone mine in the mine lease area of 206.354 ha with proposed production capacity 2.502 million TPA ROM (Cement Grade Limestone: 0.876 million TPA & Subgrade Limestone: 1.626

million TPA), Soil/Alluvium: 0.040 million TPA, Waste: 0.5 million TPA [Total Excavation: 3.05 million TPA] along with 2 x 500 TPH capacity of crusher with screening located at Village: Nayagaon, Tehsil: Jawad and Village: Chenpura, Tehsil: Neemuch, District: Neemuch, Madhya Pradesh. The mine lease area is located between Latitude 24°31'35.78"N to 24°34'33.65"N and Longitude 74°44'53.91"E to 74°46'27.65"E. The mine lease area falls under the Survey of India Toposheet No: G43U10, G43U11, G43U14, G43U15 and falls in Seismic Zone – II.

2. The Project Proponent has made an online application vide proposal no: IA/MP/MIN/276200/2022 dated 02.06.2022 and submitted Form-4 for amendment in EC under the provisions of EIA Notification, 2006. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and 2(b) Mineral Beneficiation and falls under Category "A" as the proposal attracts the general conditions as the Interstate boundary of Rajasthan-Madhya Pradesh located adjacent to the mine lease area in Northern direction and appraised at the Central level.

3. The Project Proponent obtained Environmental Clearance vide letter dated 22.04.2022 for M/s J K Cement Ltd for mining of Limestone in Nayagaon & Chenpura Limestone mine in the mine lease area of 206.354 ha with proposed production capacity 2.502 million TPA ROM (Cement Grade Limestone: 0.876 million TPA & Subgrade Limestone: 1.626 million TPA), Soil/Alluvium: 0.040 million TPA, Waste: 0.5 million TPA [Total Excavation: 3.05 million TPA] along with 2 x 500 TPH capacity of crusher with screening located at Village: Nayagaon, Tehsil: Jawad and Village: Chenpura, Tehsil: Neemuch, District: Neemuch, Madhya Pradesh.

4. Now, the Project Proponent requested for amendment in Environmental Clearance letter dated 22.04.2022 as mentioned below: -

S. No.	Reference of EC dated 22.04.2022	Description as per EC dated 22.04.2022	Amendment sought by Project Proponent	Reason for amendment submitted by project proponent
1	Specific Condition No. i	Environmental Clearance will be functional only after obtaining No-Objection Certificate (NOC) from Railway Board & no production and dispatch will be carried out without obtaining NOC from	The conditions / preventive measures prescribed by the Railway Board, shall be strictly complied by the Project Proponent & implementation status shall be	PP submitted that NOC has been obtained from Western Railway, Main Office, Church gate, Mumbai on 28.03.2022 and the same has been submitted to

		<p>Railway Board. A copy of the NOC must be submitted to the Ministry, Integrated Regional Office & Madhya Pradesh Pollution Control Board. The conditions/preventive measures prescribed by the Railway Board, if any shall be complied by the Project Proponent & implementation status should be submitted to the IRO & Railway Board.</p>	<p>submitted to the IRO & Railway Board.</p>	<p>the Ministry on 29.03.2022</p>
2	Specific Condition No. ii	<p>The Project Proponent shall ensure that no mining activity will be carried out within the distance of 300m from the railway boundary. The pit embankment along the direction of railway should be strengthen using cement mortar or other measures to avoid any danger to railway line. For working beyond 300m of the railway boundary all the precautionary measures for fly rock as mentioned in the section 4.2 of the scientific study report of CIMFR, Dhanbad should be followed.</p>	<p>The Project Proponent shall ensure that no mining activity will be carried out within the distance of 150 m from the railway track as recommended by the Railway Dept. The pit embankment along the direction of railway should be strengthen using cement mortar or other measures to avoid any danger to railway line. For working beyond 150m of the railway boundary all the precautionary measures for fly rock as</p>	<p>PP submitted that the Scientific study was carried out by CIMFR on 29.09.2021 wherein the blasting parameters for safe mining has been recommended up to a distance of 100 m from Railway line. However, due to restrictions imposed in EC letter for a distance of 300 m, inadequate space is left out for carrying out the mining activities, making the project totally unviable.</p>

			mentioned in the section 4.2 of the scientific study report of CIMFR, Dhanbad shall be followed.	
3	Specific Condition No. iv	No mining activity will be allowed to undertake within a distance of 740 m from Gandhi Colony and 350 m from Chenpura Village.	Project proponent shall follow the recommendations of CIMFR study and mining within 300 m from Gandhi Colony & Village Chenpura shall be carried out after due permission from DGMS	PP submitted that the reserves will be drastically reduced up to 80% (Cement Grade 21.636 to 7.93 Million Tonnes & Sub Grade 79.71 to 14.75 Million Tonnes). Permission from DGMS will be obtained & recommendations of the same will be followed.

5. The EAC noted that the instant proposal is for amendment in Environmental Clearance dated 27.04.2022 for the following (i) Environmental Clearance will be functional only after obtaining No-Objection Certificate (NOC) from Railway Board & no production and dispatch will be carried out without obtaining NOC from Railway Board. A copy of the NOC must be submitted to the Ministry, Integrated Regional Office & Madhya Pradesh Pollution Control Board. The conditions/preventive measures prescribed by the Railway Board, if any shall be complied by the Project Proponent & implementation status should be submitted to the IRO & Railway Board, (ii) The Project Proponent shall ensure that no mining activity will be carried out within the distance of 300m from the railway boundary. The pit embankment along the direction of railway should be strengthen using cement mortar or other measures to avoid any danger to railway line. For working beyond 300m of the railway boundary all the precautionary measures for fly rock as mentioned in the section 4.2 of the scientific study report of CIMFR, Dhanbad should be followed and (iii) No mining activity will be allowed to undertake within a distance of 740 m from Gandhi Colony and 350 m from Chenpura Village. The EAC after detailed deliberations noted that the amendment sought by the Project Proponent cannot be accepted without a real time baseline information and data. Therefore, the EAC **returned the proposal in present form.**

2.3 Expansion in Terms of Reference of Marwar Mundwa Limestone Mine (ML - II) (ML Area: 635 ha) for increase in Limestone Production Capacity from 0.5 Million TPA to 2.0 Million TPA, Top Soil 0.16 Million TPA, Waste (OB/IB) 0.58 Million TPA (Total Excavation 2.74 Million TPA) located near Villages Kherwad, Rupasar and Didyakalan, Tehsil Nagaur and Jayal, District Nagaur, Rajasthan of M/s Ambuja Cements Limited –[File No: IA-J-11015/25/2022-IA-II(NCM); Proposal No: IA/RJ/268131/2022] – Terms of reference

The proposal is for Expansion in Terms of Reference of Marwar Mundwa Limestone Mine in the mine lease area of 635 ha of M/s Ambuja Cements Limited. There proposal is for increase in Limestone Production Capacity from 0.5 Million TPA to 2.0 Million TPA, Top Soil 0.16 Million TPA, Waste (OB/IB) 0.58 Million TPA (Total Excavation 2.74 Million TPA). The mine lease area is located near Villages Kherwad, Rupasar and Didyakalan, Tehsil Nagaur and Jayal, District Nagaur, Rajasthan

1. Project details:

Location	Latitudes	27°05'24.332" to 27°08'43.581"N
	Longitudes	73°51'22.728" to 73°53'02.144"E
	SoI Topo sheet No.	Core Zone: G43B16 (45 E/16) Buffer Zone: G43B12 (45E/12) ; G43B16 (45E/16) ; G43H13 (45F/13)
Accredited Consultant and certificate no.	J.M. EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI) Certificate No: NABET/EIA/2023/RA 0186, dated 17.12.2020 & valid up to 07.02.2023	
KML file	Submitted	
Seismic zone	Zone II as per IS: 1893 (Part-I): 2002	

2. Category details:

Category of the project	Category "A", Project or Activity 1(a)-(3) for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	635 Ha (Private land: 316.42 Ha and Govt. land: 318.58 Ha)

3. Terms of Reference and Previous Environmental Clearance Details:

ToR Proposal No.	IA/RJ/268131/2022
Online application date for Form-I	18.04.2022
Documents Submitted	Covering Letter, Authorization, Brief Summary, KML,

	Sol Toposheet, Pre Feasibility Report, Proposed ToR etc.
Production capacity	Limestone Production Capacity from 0.5 Million TPA to 2.0 Million TPA
Soil	0.16 million TPA
Waste	0.58 million TPA
Total Excavation	2.74 Million TPA
Crusher	There is no crusher in the lease area. Crusher (2000 TPH) of adjacent mine ML-I is being/will be used.
Previous EC details	Environment Clearance for 0.5 Million TPA Limestone Production in the name of M/s. Indo Nippon Special Cements Ltd., vide letter no. J-11015/422/2005-IA.II (M) on dated 18th January, 2007. Environmental Clearance was transferred for existing 0.5 million TPA Limestone Production Capacity in the name of M/s. Ambuja Cements Limited, vide letter no. J-11015/422/2005-IA.II(M) on dated 28th March,2017.
Earlier EAC meeting	50th EAC Meeting held during 12th and 13th May, 2022.

4. ADS details:

S. No	ADS points raised on 25.05.2022	Reply By project proponent dated 09.06.2022
1	The Committee observed that the project proponent is seeking expansion from 0.5 MTPA to 2.0 MTPA with total excavation of 2.74 MTPA. However, the EC compliance to earlier Environmental Clearance dated 18 January, 2007 and 28 th March, 2017 is not properly visible through KML and the action now is being initiated by the project proponent. The committee noted that the videography of mine lease area through drone is required.	The mine has been recently commissioned on 18.09.2020 and come to active production in last couple of months. Only 0.66 Ha area has been excavated. As on date plantation has been done in 5.0 Ha with 10000 saplings. The work order for plantation has been given to different vendors and Plantation is carried out to take advantage of the upcoming monsoon season. As per the recommendation by committee, the videography of mine lease area has been done through drone.
2	The area is also not fully explored and there is a possibility of increase in mineral availability after the G1	The total Mining lease area is 635 Ha. As on 01.09.2021, Area explored under G1 is 202.5 Ha and under G2 is 432.5 Ha.

	exploration.	The 81.68 Ha is found mineralized. Based on which the mineable reserves are estimated as 49.29 and resources 158.87. The life of mine on the basis of calculated reserves is 26 years i.e. up to 2047 for which we have applied for EC. Recently exploration has been done for 432.5 ha to convert resources from G2 to G1 for which 76 No of boreholes has been drilled. As per the recent exploration done of additional 76 nos. of holes to switch over from G2 to G1 category, Tentatively Total 380.61 Hect. may be added as mineralized zone. The estimation of resources in under process but due to increase in mineralized area and mineable reserves, the life of mine will increase.
3	Also, it appears that the EMP which is in place has also not been fully tested and the project proponent did not submit the efficacy of EMP during the operation of the mine with 40,000 tonnes/month of production. Since the expansion is four times, the project proponent is advised to show the compliance in terms of plantation, efficacy of EMP etc. and settle the issues related to Rehabilitation & Resettlement before the appraisal of the proposal for Terms of Reference.	The EC granted capacity is 0.5 Million TPA and peak production of Month i.e. 40000 Tonnes has been achieved in Financial Year 2022-23. The baseline Monitoring was done during Winter Season (December, 2021 to February 2022). Details of efficacy of EMP w.r.t Air, Noise, Water management and R&R plan and greenbelt and plantation has been submitted with ADS reply.
4	The Committee also noted that since the project proponent is using mineral in the ore, the project proponent shall explore the option of diverting the road with proper cost benefit analysis as mentioned by the Committee experts.	Two Roads passes through the lease area. As suggested by the Committee experts, cost benefit analysis has been done for the option of diverting the above mentioned 2 roads & diversion may be required after 4-5 years. It will be possible only with the approvals from local administration and panchayats. The

		details of cost benefit analysis has been submitted with ADS reply.
5	The air quality at the downwind of the village needs to be monitored while the mine was in operation at its full capacity as per the earlier EC granted.	<ul style="list-style-type: none"> ➤ The annual dominant downwind direction is North East and the Habitation of Kherwar Village falls in the 300 m of NE direction from the ML Boundary. ➤ The distance of Kherwar Village from the existing pit is 5.3 Km and the distance from UPL to Kherwar village will be 2.1 Km. ➤ The test results of Air for the month of April & May has been submitted with ADS reply. ➤ During the Baseline Monitoring, the air quality has been monitored at Kherwar Village. ➤ The Permanent Ambient Air Quality Monitoring Station will be established at Kherwar Village.
6	The data on noise and vibration for the current operation and the impact on the nearby village should also be studied.	The noise and vibration monitoring is done for current operation at the nearby village. The results are submitted with ADS reply.
7	Area for the pond and the garland drain also needs to be clearly delineated and the EMP for the same needs to be illustrated separately.	The pond is present in the NNE part of the lease area. That area is in The pond will not be disturbed due to any mining activities. Ultimate Pit Limit has been kept at a safe distance from the pond. The bund of 583 meter and The garland drain of length 609 mtr. Depth 0.6 mtr. Width 1.0 mtr. is proposed around dump.
8	Also, the project proponent needs to submit the details of mine lease documents in chronological order along with the copy of all the valid mine lease documents.	Mining Lease was granted in favor of M/s. Indo Nippon Special Cements Ltd. vide letter no. PO 3/31/Khan/Gr-1/92 dated 11th June 1998. Mining lease deed was executed on 27.04.2007 and registered on 05.05.2007 in favor of M/s. Indo Nippon Special Cements Ltd for period of 20 years valid

		<p>upto 04.05.2027.</p> <p>The mining lease was transferred in the name of M/s. Ambuja Cement Limited vide letter no. P12(10)KHAN/GP-2/03 dated 24.08.2009 and the transferred lease was registered on 18.10.2010.</p> <p>The lease validity has been extended upto 04.05.2057 as per Section 8A (5) of MMDR Act 2015 in favor of M/s. Ambuja Cement Limited and letter for the same has been obtained from Office of the Mining Engineer, Department of Mines & geology, Nagaur vide Letter no ME/Nagaur/CC-1/Major/ML 03/94/599, dated 24.02.2015.</p> <p>The Rider Agreement was executed for extension of lease validity upto 04.05.2057 on 03.12.2016 .</p>
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5. Lease Details:

Granted Prospecting License	Area	1638 Ha
	Execution date	06.03.1993
	PL No.	F(3)(21)Mines Grill/92
Prospecting operation, Commence date	01.04.1993 to 31.03.1994	
Application for the Mining lease area	Applied on 28.07.1994	
Validity of mine lease	05.05.2007 to 04.05.2057 (50 years)	
Letter of Intent	Letter No.	F3(21) Khan/Gr-I/92
	Date	06.03.1995
Chronology of mine lease	<p>Mining Lease was granted in favor of M/s. Indo Nippon Special Cements Ltd. vide letter no. PO 3/31/Khan/Gr-1/92 dated 11th June 1998.</p> <p>Mining lease deed was executed on 27.04.2007 and registered on 05.05.2007 in favor of M/s. Indo Nippon Special Cements Ltd for period of 20 years valid upto 04.05.2027.</p> <p>The mining lease was transferred in the name of M/s. Ambuja Cement Limited vide letter no. P12(10)KHAN/GP-2/03 dated 24.08.2009 and the transferred lease was registered on</p>	

	<p>18.10.2010.</p> <p>The lease validity has been extended upto 04.05.2057 as per Section 8A (5) of MMDR Act 2015 in favor of M/s. Ambuja Cement Limited and letter for the same has been obtained from Office of the Mining Engineer, Department of Mines & geology, Nagaur vide Letter no ME/Nagaur/CC-1/Major/ML 03/94/599, dated 24.02.2015.</p> <p>The Rider Agreement was executed for extension of lease validity upto 04.05.2057 on 03.12.2016 .</p>
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6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	584(4)(3)(1881)/2021 RCOM-AJM		
	Date	12.11.2021		
	Validity	31.03.2027		
Mining Parameters	Quantitative Description			
Bench Height	6.0 m			
Bench Width	12.00 m			
Method of Mining	Fully Mechanized Opencast Mining Method			
Individual bench slope	75°			
Overall pit slope	45°			
Drilling/Blasting	S. No.	Particular	Units	Details
	1	Dia of Hole	mm	115
	2	Burden	Mtr.	3.0
	3	Spacing	Mtr.	3.5
	4	Depth of the Hole	Mtr.	7
	5	Powder Factor	Kg/t	7
	6	Slurry Explosives		Aluminium Gelled Slurry Explosives
RoM output size	The crusher of adjacent mine ML-I is being/will be used. The ROM output size of the same is 65-75 mm			
Life of mine	As per the reserves on 01.09.2021, the life of mine is 26 years and life of the mine from the date of execution of the lease i.e. 27.04.2007 is 40 years.			

Transportation details	The Limestone mined out from this Mine is transported into the dumper of capacity 50 tons via Haul road to the crusher of 2000 TPH which has been installed in the adjacent mine ML-II for crushing. The crushed limestone from crushers directly dispatched to its existing cement plant (~3.0 Km in SW direction from ML-I) via overland belt conveyor of length ~3.5 Km.
Dumpers capacity	50 Tonnes

7. Nearest village / town/ highway/railway station / water bodies

Particulars	Particular's Name	Distance and Directions
Nearest village	Habitation of Rupasar	Within lease area
	Habitation of Kherwad	~ 250 m in NNE direction
Nearest Town / City	Mundwa Town	~4 km in SW direction
Nearest State/National Highway	➤ NH-58	~3.5km in West direction
	➤ SH-19	~3.0 km in North direction
	➤ SH-39	~5.5km in SW direction
Nearest Railway Station	Marwar Mundwa Railway Station	~5.5 Km in SW direction
Nearest water bodies	A nallah (dry/seasonal) originate in the NNE part of the lease and merges with a pond which is inside the lease boundary.	
	Punadhi Nadi	~2.5 Km in NNW
	Pinsariya Nadi	~8.5 km in NE
	Alolap Nadi	~8.5 Km in ENE
	Kiyar Nadi	~9.5 Km in SSW
	Denda Nadi	~9.5 Km in SSE

8. Water requirement:

Total water requirement	55 KLD	Fresh water	55.0 KLD (Treated water from Matasukh Lignite Mines)
		Treated Water	NIL
Source	Matasukh Lignite Mines of RSMM Ltd. after treatment. It is		

	having a pipeline of 36 Km.
Permission	The agreement has been made between M/s. Ambuja Cements Limited and M/s. Rajasthan State Mines and Minerals Limited on 06.02.2019

9. Presence of Environmentally Sensitive areas in the study area

Forest Land / Protected Area / Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	No	NA
National Park	No	
Wildlife Sanctuary & Forest	No	
Eco Sensitive Zone (ESZ)	No	

10. Status of CTE/CTO:

CTE for 0.5 million TPA Limestone Production Capacity in favor of M/s. Ambuja Cements Limited vide letter no. F(Mines)/Nagaur (Nagaur)/4072(1)/2019-2020/3807-3811 dated 17/01/2020.

CTO for 0.5 million TPA Limestone Production Capacity in favor of M/s. Ambuja Cements Limited vide letter no. F(Mines)/Nagaur (Nagaur)/4072(1)/2019-2020/2832-2836 dated 15/09/2020 and valid upto 31/08/2025.

11. Green belt/plantation details:

Proposed area for green belt/plantation	63.70 ha
Budget for green plant & plantation till the end of life of mine.	555.51 Lacs

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	Total area for greenbelt development is 11.0 ha which will be covered under greenbelt along 7.5m lease periphery. 40 ha Area to be covered under plantation on unworked (virgin) area, out of which 12.09 ha. Area to be covered on the safety barrier along the roads.
50 m safety zone of nallah, roads, electric lines	12.09 ha Area to be covered on the safety barrier along the roads.
Plantation on the backfilled area	Total 63.7 Ha will be covered under greenbelt/plantation including 12.7 Ha area under plantation on the backfilled area.
Mitigation measures to	Mitigation measures to prevent Air Pollution:

<p>prevent Environmental Pollution</p>	<p>Drilling machines (30 Mt/Hr) is being/will be equipped with both Water injection and dust collector system (DCT) to suppress dust generation at source.</p> <p>Fugitive dust emissions from all sources will be controlled regularly, Water spraying on haul roads, loading, unloading and transfer points shall be provided and maintained.</p> <p>In order to reduce air pollution in the surrounding, 11 Ha area will be covered under Green Belt around 7.5 m lease periphery within two year.</p> <p>Ambient Air Quality Monitoring Stations is being done at 4 locations.</p> <p>Mitigative measures to prevent Water Pollution:</p> <p>Garland drain having siltation pits will be provided at the toe of the dumps, to channelize the runoff water from dumps into the water reservoir (i.e. mined out pits).</p> <p>To control the surface run-offs, Retaining Wall around waste dump will be constructed.</p> <p>Mitigative measures to prevent Noise Pollution:</p> <p>Drilling is being/will be carried out with the help of sharp drill bits which will help in reducing noise.</p> <p>Secondary blasting is being/will be totally avoided and Hydraulic rock breaker will be used for breaking boulders.</p> <p>Adequate silencers with AC cabins is being/will be provided in Heavy Earth Moving Machines.</p>
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12. Court case details:

Court Case	No court case is pending against the project.
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13. Affidavit/Undertaking details:

Affidavit	Affidavit dated 05.04.2022 in compliance of Ministry's OM no. 3-50/2017-IA.III (Pt.) dated 30 May 2018 has been submitted.
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14. Previous EC compliance and production details:

Particulars	Letter no. and date
Site inspection date	09.02.2022
Certified EC compliance report	Latest certified compliance report has submitted by the project proponent duly certified by IRO, Jaipur vide letter no. IV/ENV/R/MINE-414/636/2008 dated 03 rd March 2022
Certified past production	The authenticated production figures were obtained from Office of the Mining Engineer, Department of Mines and

	Geology, Nagaur vide letter no. Kh/Nagaur/ML No-3/1994/2022/2580 dated 05.04.2022.
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15. Details of project cost and employment:

Particulars	Details
Project Cost	Rs. 23.69 Crores (This the project cost for expansion)
Employment	24 persons

16. Observation and Recommendation of the Committee:

The proposal was considered in the 53rd EAC meeting held during 28th – 29th June, 2022. After the detailed deliberations, the Committee **recommended** the proposal for Terms of Reference of Marwar Mundwa Limestone Mine (ML -II) (ML Area: 635 ha) for Expansion in Limestone Production Capacity from 0.5 Million TPA to 2.0 Million TPA, Top Soil 0.16 Million TPA, Waste (OB/IB) 0.58 Million TPA (Total Excavation 2.74 Million TPA) located near Villages Kherwad, Rupasar and Didyakalan, Tehsil Nagaur and Jayal, District Nagaur, Rajasthan of M/s Ambuja Cements Limited with subject to following specific conditions in addition to the general conditions of the non-coal mining projects:

- i. The project proponent shall upscale the EMP to meet the requirements of increasing 4 times production as well as total excavation which should be properly illustrated in the EIA/EMP report along with the capital and recurring cost.
- ii. The Project Proponent shall install the Continuous Ambient Air Quality Monitoring Stations in such numbers as per the scientific study and in consultation with CPCB.
- iii. The noise and vibration study must be in-place to understand the vibrations and the lease boundary particularly from the proposed area of mining operations.
- iv. The design of proposed bund and its effective utilization in the mine lease area shall be properly explained in the EIA/EMP report.
- v. The project proponent shall monitor water quality with specific reference to Langelier Saturation Index to assess the impact of calcium carbonate on water quality.
- vi. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution by considering all the mining activities.
- vii. The Project Proponent shall carry out the gap plantation with 10 ft tall seedlings in such a way that the density of the plantation should be uniform and the survival rate should not be less than 95%. Local species should be

planted after consultation with local forest officer and as per CPCB/SPCB guidelines. The Project Proponent shall implement the practice of drip irrigation for plantation. The existing plantation as presented by the project proponent needs to be looked after properly to ensure its 95% of survival rate.

- viii. The Project Proponent shall undertake the R & R study and incorporate the same with redressal in the EIA/EMP report.
- ix. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly.
- x. The Project Proponent should explore the possibility for shifting to clean energy using electric equipment for cleaner production options to reduce the emission generated from various machineries.
- xi. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers.
- xii. The Project Proponent shall upload the Affidavit in form 2 as per Ministry's O.M No 3- 50/2017-IA.II(M) dated 30.05.2018 on PARIVESH portal.

2.4 Terms of Reference for Sand Mining in Riverbed of Wardha River with production capacity of 1.14 MTPA (0.70 Mm³) in ML Area of 327.84 ha located in village Shivanichor (Chandrapur Taluka), Hadsati, Nandgaon, Visapur (Ballarpur Taluka), Dhidsi, Kadholi BK, Charli, Kolgaon (Rajura Taluka) of Chandrapur District, Maharashtra by Western Coalfields Limited (Chandrapur Area) – [File No. IA-J-11015/92/2021-IA-II(NCM); Proposal No. IA/MH/MIN/237600/2021] - Terms of Reference

1. Project details:

Location	Village	Shivanichor (Chandrapur Taluka), Hadsati, Nandgaon, Visapur (Ballarpur Taluka), Dhidsi, Kadholi BK, Charli, Kolgaon (Rajura Taluka)
	Tehsil/Taluka	Chandrapur, Ballarpur, Rajura
	District	Chandrapur
	State / UT	Maharashtra
	Latitudes	19°50'12.64" N to 19°53'27.86" N
	Longitudes	79°15'16.07" E to 79°20'25.44" E

	SolTopo sheet No.	56 M/5 E44B5 (OSM)
Company's Name	M/s Western Coalfields Limited (Chandrapur Area)	
Accredited Consultant and certificate no.	Central Mine Planning and Design Institute Limited Certificate No. QCI/NABET/EIA/ACO/21/2128	
KML file	Submitted	
Seismic zone	Zone III	

2. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	EIA Notification dated 14 th September 2006 and time to time amendments
Mining lease Area	327.84 ha (Govt. land)

3. ToR Details:

ToR Proposal No.	IA/MH/MIN/237600/2021
Date of online application	10/11/2021
Documents Submitted	Form-I, PFR, Lease Documents, KML, Authorization letter, Basic summary, Consultant Accreditation letter, Mining plan approval letter, Presentation, Checklist and Affidavits.
Production capacity	0.70 Million m ³ / Year or 1.148 Million Tonne per annum
Waste	It is estimated that 3% of the total quantity will be rejected due to size of +19mm. Thus 34,440 tonne of sand gravel/rejects will be produced annually. These sand gravels will be used to fill the low lying areas within the leasehold of coal mines.
Additional information	PP submitted that the production capacity of 1.50 Mm ³ annually was proposed in the earlier approved mining plan. However, maximum annual production in past 20 years was 1.1 Mm ³ in 2006-07. Total 13.92 Mm ³ of sand was excavated from year 2001-02 to 2020-21. Thus, average sand production was 0.73 Mm ³ in a year since approval of previous Mining Plan.
Reason for sand mining	Sand mining is required for sand stowing in the underground Coal Mines
Previous EAC meetings	42nd EAC (Non-Coal Mining) Meeting held during 30th November to 3rd December, 2021 48th EAC (Non-Coal Mining) Meeting held during 28th to 30th March, 2022

4. ADS details: The proposal was earlier considered in 48th EAC (Non-Coal Mining) Meeting held during 28th to 30th March, 2022. The observation and recommendation of the Committee of 48th EAC meeting is as follows:

- The proposal for Terms of Reference was considered in the 48th EAC meeting held during 28th to 30th March, 2022. After the detailed presentation made by the Project Proponent and the Consultant, the Committee observed that the proposal for sand mining was received from M/s Western Coalfields Limited (WCL) and during the meeting it was noted that the excavation of sand is being done by M/s WCL since 2001 at the rate of about 1.14 lacs per annum. Earlier, the proposal was considered in the 42nd EAC meeting held during 30th November to 3rd December, 2021 wherein the Committee asked the project proponent to submit the details of excavation of sand for the purpose of sand stowing and the CTO details for excavation of sand.
- The project proponent submitted the ADS reply on 10th March 2022 stating that production of sand is being done since 2001 and so far no CTO has been obtained for the same.
- During the presentation, the project proponent submitted that the EC was granted for various coal mines of M/s WCL vide letters dated 21.03.2007, 02.08.2006, 11.06.2007, 21.03.2007 and 17.10.2006. It was also noted that, the EC letter dated 21.03.2007 mentioned that, '40.53 Ha is for sand stowing yards'. In view of the above, the Committee suggested the Ministry to seek advice from the policy division, MoEF&CC whether the operation of sand extraction needs to be treated as violation or not, since, it is mined out without CTO and EC.
- Therefore, the Committee deferred the proposal.
- Comments were taken from IA Policy in the Ministry and are given as under: "NCM sector may take up the matter with Ministry of Mines and/or Indian Bureau of Mines to ascertain whether sand used for stowing in coal mines is to be treated as major mineral or not and thereby the implications of EIA Notification 1994/2006 as amended from time to time."

5. Lease Details:

Granted mine lease by the Govt. of Maharashtra	Area	327.84 ha
	Order no.	MMH1276/50844 (1210)/ IND-9
	Order date	20-08-1977
	Execution date	18-02-1978
Renewal of mine lease	The mining lease for Sand Mining was renewed vide Maharashtra Government letter dated 9 th May, 2000 for further 20 years	
Validity of mine lease	50 years Deemed granted as per MMDR Act amendment 2015	
Additional information	PP submitted that as per the provision of MM(DR) Amendment Act, 2015, Section 8A(3) all mining lease	

	<p>granted before the commencement of the Mines and Minerals (Development and Regulation) Amendment Act, 2015 shall be deemed to have been granted for a period of fifty years. Thus, mining lease for sand granted to Western Coalfields is deemed to be valid for fifty years from 18-02-1978 i.e upto 18-02-2028.</p> <p>Lease renewal: Government order no. MMN-3298/741 (7635)/ Desk-4, dated 09-05-2000 and Agreement was executed on 16-04-2001.</p>
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6. Observation and Recommendation of the Committee:

The proposal was considered in the 53rd EAC meeting held during 28th – 29th June, 2022. After the detailed deliberations, the Committee noted that the instant proposal was earlier considered in 48th EAC (Non-Coal Mining) Meeting held during 28th to 30th March, 2022 wherein, the Committee suggested the Ministry to seek advice from the policy division, MoEF&CC to understand whether the operation of sand extraction needs to be treated as violation or not, since, it was mined out without CTO and EC. Comments were taken from the IA Policy division of the Ministry. Accordingly, the Non-Coal Mining sector invited representative of Ministry of Mines and Indian Bureau of Mines in EAC (non-coal) meeting to ascertain whether sand used for stowing in coal mines is to be treated as major mineral or not and thereby the implications of EIA Notification 1994/2006 as amended from time to time.

The representatives of Ministry of Mines and Indian Bureau of Mines were invited for the 53rd EAC meeting held during 28th – 29th June, 2022, however, both the officials were not available due to pre-occupancy in official work. However, a representative of Indian Bureau of Mines, Shri Pankaj Kulshreshtha, telephonically informed the Committee that sand use for the purpose of stowing in underground coal mine is to be treated as major mineral. The Committee duly noted above said submission. The project proponent during the meeting also indicated that in the State of Maharashtra, CTO is not required. The Committee was of the view that project proponent may submit the document/letter from Maharashtra State Pollution Board stating that CTO is not required in the matter. Therefore, the Committee **deferred** the proposal.

2.5 Additional Agenda: Deletion of specific condition no. 7 of Environmental Clearance dated 13.08.2021 for Devadari Iron Ore mine with a mine capacity of 2 MTPA Iron Ore (ROM) and 500 TPA Manganese Ore with 2 MTPA wet Beneficiation plant located at notified and reserved mining lease area of 401.5761 ha (388.0 ha for Mining & 13.5761 ha for conveyor, approach road, etc.) out of 485.7725 ha project area (470.40 ha mine lease area + 15.3725 ha conveyor,

approach road etc.) falling under Swamimalai Block Forest, Kumaraswami Reserve Forest Range, Sandur Taluk, Bellary district, Karnataka by M/s KIOCL Limited – [Proposal no: IA/KA/MIN/278190/2022; File No. J-11015/28/2018-IA-II (M)] – Corrigendum in EC

1. Project details:

Location	Village	Nandihalli, Narsapura, Rajithpura
	Tehsil/Taluka	Sandur
	District	Ballari
	State / UT	Karnataka
	Latitudes	15 ^o 01' 18.18627" to 15 ^o 03' 43.60179" N
	Longitudes	76 ^o 34' 35.0174" to 76 ^o 36' 12.77452" E
	SolTopo sheet No.	57 A/12 (D43E12)
Company's Name	M/s KIOCL Limited	
Seismic zone	Zone 2	

2. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	EIA Notification dated 14 th September 2006 and time to time amendments
Mining lease Area	401.5761 ha (388.0 ha for Mining & 13.5761 ha for conveyor, approach road, etc.)

3. Corrigendum details:

Environmental Clearance details	Environmental Clearance was granted by MoEF&CC vide letter no. J-11015/28/2018-IA-II (M) dated 13.08.2021.
Corrigendum	Deletion of specific condition no. 7 i.e. "The EC will only be functional after obtaining permission for with-drawl of groundwater from the competent authority" in the EC dated 13.08.2021
Reason for Corrigendum	In EIA/ EMP report, Company has not envisaged usage of Ground water for the project and proposed for the water drawl of 4MLD from downstream of Tungabhadra Dam near Nimbhapura Village for Devadari Mining Project. Similarly, In the EC approval Letter dated 13.08.2021, Point No. 9 mentioned that the source of water requirement is Tungabhadra Dam. Company has also submitted undertaking to EAC, MoEF&CC, Gol that company will not utilize ground

	<p>water resources for the project during course of Mining activities.</p> <p>Accordingly, Approval of withdrawal of 4MLD of water from downstream of Tungabhadra Dam was obtained from Water Resources Department, GoK vide Order dated 26.07.2021.</p> <p>In this regard, the company requests to delete the specific condition No.7 of Environmental Clearance No. J-11015/28/2018-IA-II (M) dated 13.08.2021 issued for Devadari Iron Ore Mine wherein it is mentioned that “The EC will only be functional after obtaining permission for with-drawl of groundwater from the competent authority” as this condition is not applicable in this case.</p> <p>The project proponent has submitted the Undertaking dated 25.06.2020 for not utilization of ground water resources by KIOCL Limited, Bangalore.</p>
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4. Observation and Recommendation of the Committee:

The proposal was considered in the 53rd EAC meeting held during 28th – 29th June, 2022. After the detailed deliberations, the Committee noted that the Environmental Clearance was granted by MoEF&CC on 13.08.2021 with a specific condition 7 i.e. “*The EC will only be functional after obtaining permission for with-drawl of groundwater from the competent authority*”. The project proponent informed the Committee that source of water requirement is Tungabhadra Dam. Accordingly, approval of withdrawal of 4MLD of water from downstream of Tungabhadra Dam was obtained from Water Resources Department, GoK vide Order dated 26.07.2021. The project proponent also submitted the undertaking for not utilization of ground water resources by KIOCL Limited, Bangalore.

In view of the above, the Committee **recommended** the proposal for corrigendum in Environmental Clearance regarding deletion of specific condition no. 7 of Environmental Clearance dated 13.08.2021 for Devadari Iron Ore mine with a mine capacity of 2 MTPA Iron Ore (ROM) and 500 TPA Manganese Ore with 2 MTPA wet Beneficiation plant located at notified and reserved mining lease area of 401.5761 ha (388.0 ha for Mining & 13.5761 ha for conveyor, approach road, etc.) out of 485.7725 ha project area (470.40 ha mine lease area + 15.3725 ha conveyor, approach road etc.) falling under Swamimalai Block Forest, Kumaraswami Reserve Forest Range, Sandur Taluk, Bellary district, Karnataka by M/s KIOCL Limited. All other terms and conditions shall remain unchanged as mentioned in the Environmental Clearance letter dated 13.08.2021.

List of members of Expert Appraisal Committee participated through VC

S.No.	Member Name	Member Address	Designation	28 th June 2022	29 th June, 2022
1	Dr. S.R. Wate	Add. 148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada, Ghodbunder Road, Thane (West) - 400610, Maharashtra	Member	No	No
3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad- 500025, Andhra Pradesh	Member	Yes	Yes
4	Prof. S. Ramakrishna Rao	50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member	Yes	Yes
5	Shri Santosh Gupta	Flat No. 405, Block –B, Gaur Green Vista, Nyay Khand -1, Indrapuram, Ghaziabad- 201014	Member	No	Yes
6	Dr. Asha Rajvanshi	B-104/106 rockvalley Apartments, General Mahadev Singh Road, Sewla Chowk, Majra, Dehradun - 248001	Member	Yes	Yes
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	Yes	Yes
8	Dr. A.K. Malhotra	House no. 33, Sector – 11, Dwarka. (Near Gate No. – 1 of sector 11 metro Station), New Delhi – 110075.	Member	Yes	Yes
9	Prof. (Retd.) Dr. Gurdeep Singh	Centre of Mining Environment, Department of Environmental Science & Engg. Indian Institute of Technology (Indian	Member	Yes	Yes

Minutes of 53rd EAC (Non-Coal Mining) Meeting held during 28th – 29th June, 2022

		School of Mines), Dhanbad-826004			
10	Dr. Parimal Chandra Bhattacharjee	A/3 Asiyana Housing Complex Maligaon, Guwahati-781011, Assam	Member	Yes	Yes
11	Prof. (Retd.) Mukesh Khare	House no. 780, Sector- 21, Pocket-E, Gurugram, Haryana-122016.	Member	No	No
12	Shri V. K. Soni	Government of India, Ministry of Earth Sciences, India Meteorological Department, MausamBhawan, Lodi Road, New Delhi – 110003	Member	No	No
13	Shri Pankaj Kulshrestha	Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhavan, Civil Lines, Nagpur - 440001	Member	No	No
14	Shri Ram Avatar Meena	Representative of DGMS	Member	No	No
15	Shri Pankaj Verma	2 nd Floor, Prithvi Block, Indira Paryawaran Bhawan, MoEF&CC, Jorbhag, New Delhi- 110003	Member Secretary	Yes	Yes
